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From: Commandant of the Marine Corps  
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Subj: TACTICAL AIR OPERATIONS CENTER TRAINING AND READINESS  
MANUAL

Ref: (a) NAVMC 3500.14C

Encl: (1) TAOC T&R Manual

1. Purpose. In accordance with reference (a), enclosure (1) contains revised standards and regulations regarding the training of Tactical Air Operations Center (TAOC) Marines.

2. Cancellation. NAVMC 3500.43, NAVMC 3500.74

3. Scope. Highlights of major Training and Readiness (T&R) planning considerations included in this TAOC T&R Manual are as follows:

a. Updated to be align with reference (a) in format and content.

b. Combined TAOC Operations and TAOC Maintenance T&R manuals in to one agency manual.

c. Added the 7000 Phase, Mission Essential Task phase. This Phase is designed to eventually take the place of the Marine Corps Combat Readiness program.

d. Removed Director positions from the Tactical Air Defense Controller syllabus and refocused training to control and surveillance.

e. Incorporated Information Assurance training for TAOC Maintenance Marines.

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distribution is unlimited.

f. Reorganized training for the Tactical Air Defense Controller to adjust for the merge of the Air Control Electronic Operator syllabus.

4. Information. Recommended changes to this Manual should be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General (CG), Training and Education Command (TECOM), Marine Air Ground Task Force Training and Education Standards Division (MTESD) (C 465), Aviation Standards Branch using standard Naval correspondence or the Automated Message Handling System plain language address: CG TECOM MTESD.

5. Command. This manual is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.



T. M. MURRAY  
By direction

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CHAPTER 1

TACTICAL AIR OPERATIONS CENTER/EARLY WARNING AND CONTROL SITE  
TRAINING AND READINESS AGENCY REQUIREMENTS

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CHAPTER 1

TACTICAL AIR OPERATIONS CENTER  
TRAINING AND READINESS AGENCY REQUIREMENTS

1.0 TRAINING AND READINESS REQUIREMENTS. The goal of Marine Aviation is to attain and maintain combat readiness to support Expeditionary Maneuver Warfare while conserving resources. The standards established in this program are validated by subject matter experts to maximize combat capabilities for assigned METs. These standards describe and define unit capabilities and requirements necessary to maintain proficiency in mission skills and combat leadership. Training events are based on specific requirements and performance standards to ensure a common base of training and depth of combat capability.

1.1 MISSION. Support the MAGTF Commander by providing task organized agencies to perform airspace surveillance, air direction and control, coordination, information exchange and weapons systems integration for the six functions of Marine aviation in support of MAGTF operations and joint/combined operations.

1.2 TABLE OF ORGANIZATION (T/O). Information below depicts the TACTICAL AIR OPERATIONS CENTER (TAOC) T/O information as of the date of this directive.

Marine Air Control Squadron						
ROLL-UP UNIT	UICs (HQTRS, DET TAOC, DET EW/C)			T/Os (HQTRS, DET TAOC, DET EW/C)		
MACS-1	M00885	M00881	M00886	8641	8642	8644
MACS-2	M00871	M00872	M00873	8641	8642	8644
MACS-24	M01309	M01235	M01335	8641A	8642A	8644A
MACS-4	M00861	M00862		8641	8642	
MOS Totals (roll-up in order MACS 1/2/24/4):						
5902 – 2/2/2/2						
5910 – 2/2/2/1						
5970 – 2/2/2/2						
7202 – 5/5/6/4						
7210 – 16/16/15/12						
5939 – 11/11/11/8						
5948 – 31/31/31/21						
5974 – 8/8/8/5						
5979 – 21/21/21/15						
7236 – 66/66/66/43						

1.3 SIX FUNCTIONS OF MARINE AVIATION

SIX FUNCTIONS OF MARINE AVIATION		
FUNCTION	ABBREVIATION	DESCRIPTION
<b>Offensive Air Support</b>	<b>OAS</b>	OAS involves air operations that are conducted against enemy installations, facilities, and personnel in order to directly assist in the attainment of MAGTF objectives by destroying enemy resources or isolating enemy military forces. Its primary support of the warfighting functions is to provide fires and force protection through CAS and DAS.
<b>Assault Support</b>	<b>ASPT</b>	ASPT contributes to the warfighting functions of maneuver and logistics. Maneuver warfare demands rapid, flexible maneuverability to achieve a decision. Assault support uses aircraft to provide tactical mobility and logistic support to the MAGTF for the movement of high priority personnel and cargo within the immediate area of operations (or the evacuation of personnel and cargo).
<b>Anti-Air Warfare</b>	<b>AAW</b>	AAW is the actions used to destroy or reduce the enemy air and missile threat to an acceptable level. The primary purpose of AAW is to gain and maintain whatever degree of air superiority is required; this permits the conduct of operations without prohibitive interference by opposing air and missile forces. AAW's other purpose is force protection.
<b>Electronic Warfare</b>	<b>EW</b>	EW is any military action involving the use of electromagnetic and directed energy to control the electromagnetic spectrum or to attack the enemy. EW supports the warfighting functions of fires, command and control, and intelligence through the three major subdivisions: electronic attack, electronic protection, and electronic warfare support.
<b>Control of Aircraft &amp; Missiles</b>	<b>CoA&amp;M</b>	The control of aircraft and missiles supports the warfighting function of Command and Control. The ACE commander maintains centralized command, while control is decentralized and executed through the Marine Air Command and Control System (MACCS). CoA&M integrates the other five functions of Marine Aviation by providing the commander with the ability to exercise Command and Control authority over Marine Aviation assets.
<b>Aerial Reconnaissance</b>	<b>AerRec</b>	AerRec employs visual observation and/or sensors in aerial vehicles to acquire intelligence information. It supports the intelligence warfighting function and is employed tactically, operationally, and strategically. The three types of air reconnaissance are visual, multi-sensor imagery, and electronic.

1.4 ABBREVIATIONS

TAOC/EWC	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILLS (2000 PHASE)	
AC	ASSISTANT CONTROLLER
ACAD	ACADEMICS
AFAM	AIR CONTROL FAMILIARIZATION
AIC	AIR INTERCEPT CONTROLLER
C2SYS	COMMAND AND CONTROL SYSTEMS
CC	CREW CHIEF
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
CONFIG	CONFIGURATION
DAC	DEEP AIR CONTROLLER
DCHF	DETACHMENT CHIEF
DETCO	DETACHMENT COMMANDER

DLC	DATA LINK COORDINATOR
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
IFF	IDENTIFICATION FRIEND OR FOE
LFAM	LOCAL FAMILIARIZATION
LRR	LONG RANGE RADAR
MC	MISSILE CONTROLLER
MMGT	MAINTENANCE MANAGEMENT
MRR	MEDIUM RANGE RADAR
OMGT	OPERATIONAL MANAGEMENT
RDR	RADAR
SAD	SENIOR AIR DIRECTOR
SD	SURVEILLANCE DIRECTOR
SO	SURVEILLANCE OPERATOR
TATC	TACTICAL AIR TRAFFIC CONTROLLER
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
WD	WEAPONS DIRECTOR
<b>MISSION SKILL (3000 Phase)</b>	
AC	ASSISTANT CONTROLLER
ACAD	ACADEMICS
AIC	AIR INTERCEPT CONTROLLER
C2SYS	COMMAND AND CONTROL SYSTEMS
CC	CREW CHIEF
DAC	DEEP AIR CONTROLLER
DCHF	DETACHMENT CHIEF
DETCO	DETACHMENT COMMANDER
DLC	DATA LINK COORDINATOR
EQUIP	EQUIPMENT
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
LRR	LONG RANGE RADAR
MACG	MARINE AIR CONTROL GROUP
MC	MISSILE CONTROLLER
MMGT	MAINTENANCE MANAGEMENT
MRR	MEDIUM RANGE RADAR
OMGT	OPERATIONAL MANAGEMENT
SAD	SENIOR AIR DIRECTOR
SD	SURVEILLANCE DIRECTOR
SO	SURVEILLANCE OPERATOR
TAOC	TACTICAL AIR OPERATIONS CENTER
TATC	TACTICAL AIR TRAFFIC CONTROLLER
WD	WEAPONS DIRECTOR
<b>CORE PLUS (4000 Phase)</b>	
ACAD	ACADEMICS
ADST	AIR DEFENSE SYSTEMS TECHNICIAN
C2SYS	COMMAND AND CONTROL SYSTEMS
DETCO	DETACHMENT COMMANDER
DLC	DATA LINK COORDINATOR
EQUIP	EQUIPMENT
LRR	LONG RANGE RADAR

MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
MRR	MEDIUM RANGE RADAR
OMGT	OPERATIONAL MANAGEMENT
SAD	SENIOR AIR DIRECTOR
<b>INSTRUCTOR (5000 Phase)</b>	
AICI	AIR INTERCEPT CONTROL INSTRUCTOR
BI	BASIC INSTRUCTOR
MDTI	MARINE DIVISION TACTICS INSTRUCTOR
SFTI	STRIKE FIGHTER TACTICS INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
AC	ASSISTANT CONTROLLER
ACSAT	AVIATION COMMUNICATIONS SYSTEM ADVANCED TECHNICIAN
ACSBT	AVIATION COMMUNICATIONS SYSTEM S BASIC TECHNICIAN
ACSCC	AVIATION COMMUNICATIONS SYSTEMS CREW CHIEF
ACSMC	AVIATION COMMUNICATIONS SYSTEMS MAINTENANCE CHIEF
AIC	AIR INTERCEPT CONTROLLER
ARAT	AVIATION RADAR ADVANCED TECHNICIAN
ARBT	AVIATION RADAR BASIC TECHNICIAN
ARC	AVIATION RADAR CHIEF
ARC63	AVIATION RADAR 63 CHIEF
ARMC	AVIATION RADAR MAINTENANCE CHIEF
ARMO	AVIATION RADAR MAINTENANCE OFFICER
CAL CD	CALIBRATIONS COLLATERAL DUTY
CAT	COMPTIA A+ TECHNICIAN
CC	CREW CHIEF
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
DAC	DEEP AIR CONTROLLER
DCHF	DETACHMENT CHIEF
DETCO	DETACHMENT COMMANDER
DLC	DATA LINK COORDINATOR
EMB CD	EMBARK COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
MC	MISSILE CONTROLLER
MIMMS CD	MIMMS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY
SAD	SENIOR AIR DIRECTOR
SAF CD	SAFETY COLLATERAL DUTY
SD	SURVEILLANCE DIRECTOR
SO	SURVEILLANCE OPERATOR
TATC	TACTICAL AIR TRAFFIC CONTROLLER
TDSAAT	TACTICAL DATA SYSTEM ADMINISTRATOR ADVANCED TECHNICIAN
TDSABT	TACTICAL DATA SYSTEM ADMINISTRATOR BASIC TECHNICIAN
TDSAT	TACTICAL DATA SYSTEM ADVANCED TECHNICIAN
TDSBT	TACTICAL DATA SYSTEM BASIC TECHNICIAN
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
TDSMC	TACTICAL DATA SYSTEM MAINTENANCE CHIEF
TOOLS CD	TOOLS COLLATERAL DUTY
TRNG CD	TRAINING COLLATERAL DUTY

WD	WEAPONS DIRECTOR
<b>MISSION ESSENTIAL TASK (MET) (7000 Phase)</b>	
COND	CONDITION

1.5 MISSION ESSENTIAL TASK LIST. The METL is a list of specified tasks a specific unit is designed to perform. Core METs are drawn from the Marine Corps Task List (MCTL), are standardized by type unit, and are used for unit readiness. Core Plus METs are additional METs that are theater specific and/or have a low likelihood of occurrence. Core Plus METs may be included in readiness reporting when contained within and assigned Mission METL. An Assigned Mission METL consists of only the selected METs (drawn from the MCTL, Core, or Core Plus METs) necessary for that Assigned Mission.

The unit METL consists of Mission Essential Tasks (METs). Shading indicates Core Plus METs.

TAOC AND EW/C OPERATIONS		
MISSION ESSENTIAL TASK LIST (METL)		
CORE		
MET	ABBREVIATION	MCT DESCRIPTION
MCT 5.3.2.7.1	TAOC	ESTABLISH AND CONDUCT TACTICAL AIR OPERATIONS CENTER (TAOC) OPERATIONS
MCT 5.3.2.7.1.2	EWC	ESTABLISH AND CONDUCT EARLY WARNING AND CONTROL OPERATIONS

1.6 MISSION ESSENTIAL TASK (MET) TO SIX FUNCTIONS OF MARINE AVIATION

TAOC AND EW/C OPERATIONS							
MISSION ESSENTIAL TASK LIST (METL)							
CORE							
MET	ABBREVIATION	SIX FUNCTIONS OF MARINE AVIATION					
		OAS	ASPT	AAW	EW	CoA&M	AerRec
MCT 5.3.2.7.1	TAOC	X	X	X		X	
MCT 5.3.2.7.1.2	EWC	X	X	X		X	

1.7 MISSION ESSENTIAL TASKS (MET) OUTPUT STANDARDS

TAOC AND EW/C OPERATIONS					
CORE MET OUTPUT STANDARDS					
MET	ABBREVIATION	OUTPUT STANDARDS	OUTPUT HOURS (PER DAY SUSTAINED FOR 90 DAYS)		
			MAX HRS PER CREW	HRS PER DAY	TOTAL NUMBER OF CREWS
MCT 5.3.2.7.1	TAOC	ABLE TO DISPLAY AND DISSEMINATE AIR/GROUND SURVEILLANCE INFORMATION TO DESIGNATED ADJACENT, HIGHER, SUBORDINATE AGENCIES AND AIRCRAFT	12	24	2 TAOC OPERATOR CREWS
		ABLE TO PROVIDE AIRSPACE CONTROL FOR ALL ASSIGNED AND ITINERANT AIRCRAFT IN THE ASSIGNED SECTOR			

		ABLE TO CONDUCT AAW OPERATIONS THAT RESULT IN THE REDUCTION OF THE EFFECTS OF ENEMY AIRCRAFT, SURFACE-TO-AIR WEAPONS, AND THEATER MISSILES WITHIN THE ASSIGNED SECTOR			
		ABLE TO CONDUCT SUSTAINED OPERATIONS			
MCT 5.3.2.7.1.2	EWC	ABLE TO DISPLAY AND DISSEMINATE AIR/GROUND SURVEILLANCE INFORMATION TO DESIGNATED ADJACENT, HIGHER, SUBORDINATE AGENCIES AND AIRCRAFT	12	24	2 EW/C OPERATOR CREWS
		ABLE TO PROVIDE AIRSPACE CONTROL FOR ALL ASSIGNED AND ITINERANT AIRCRAFT IN THE ASSIGNED SECTOR			
		ABLE TO DETECT AND IDENTIFY AIR THREATS OUT TO 160NM FROM ORIGIN			
		ABLE TO PROVIDE LIMITED CONTROL OF AIR OR GROUND BASED WEAPONS SYSTEMS			
		ABLE TO CONDUCT SUSTAINED OPERATIONS			

1.8 MET TO MISSION SKILL/MET PHASE MATRIX

CORE/MISSION/COREPLUS SKILL TO MISSION ESSENTIAL TASK (MET) MATRIX																																				
MET	2000 PHASE																																			
	CORE SKILL																																			
	AC	ACAD	ACAD1	ACAD2	AFAM	AIC 1	AIC 2	C2SYS	CC	CD	CMN	COMSEC	CONFIG	DAC	DCHF	DETCO	DLC	EQUIP	FAM	IAWFAT	IAWFNT	IAWFST	IFF	LFAM	LRR	MC	MMGT	MRR	OMGT	RDR	SAD	SD	SO	TATC	TMDE	WD
MCT 5.3.2.7.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MCT 5.3.2.7.1.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
MET	3000 PHASE																																			
	MISSION SKILL																																			
	AC	ACAD	AIC 3	C2SYS	CC	DAC	DCHF	DETCO	DLC	EQUIP	EWC	IAWFAT	IAWFNT	IAWFST	LRR	MACG	MC	MMGT	MRR	OMGT	SAD	SD	SO	TAOC	TATC	WD										
MCT 5.3.2.7.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MCT 5.3.2.7.1.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MET	4000 PHASE																																			
	CORE PLUS SKILL																																			
	ACAD	C2SYS	DETCO	DLC	EQUIP	LRR	MACG	MMGT	MRR	OMGT	SAD																									
MCT 5.3.2.7.1	X	X	X	X	X	X	X	X	X	X																										
MCT 5.3.2.7.1.2	X	X	X	X	X	X	X	X	X	X																										

1.9 CORE MODEL MINIMUM REQUIREMENT (CMMR) SKILLS PROFICIENCY REQUIREMENTS. The CMMR is the optimum number of crew personnel, per crew position, to be trained per stage as detailed below.

TAOC/EWC CMMR CREWS										
CMMR POSITIONS	5902	5910	5939	5948	5970	5974	5979	7202	7210	7236
TAOC DETACHMENT S-6 OFFICER	1/0	0	0	0	0	0	0	0	0	0
DATA SYSTEMS MAINTENANCE OFFICER	0	0	0	0	1/0	0	0	0	0	0
AVIATION RADAR MAINTENANCE OFFICER	0	1/1	0	0	0	0	0	0	0	0
Aviation Radar Maintenance Chief (ARMC)	0	0	0	1/1	0	0	0	0	0	0
Tactical Data Systems Maintenance Chief (TDSMC)	0	0	0	0	0	0	1/1	0	0	0
Aviation Radar Chief (ARC)	0	0	0	1/1	0	0	0	0	0	0
Aviation Radar Chief 63 (ARC63)	0	0	0	1/0	0	0	0	0	0	0
Tactical Data Systems Crew Chief (TDSCC).	0	0	2/2*	0	0	2/2*	2/2*	0	0	0
Aviation Communications Systems Advanced Technician (ACSAT).	0	0	2/0	0	0	0	0	0	0	0
Aviation Radar Advanced Technician (ARAT).	0	0	0	2/2	0	0	0	0	0	0
Tactical Data Systems Administrator Advanced Technician (TDSAAT).	0	0	0	0	0	2/0	0	0	0	0
Tactical Data Systems Advanced Technician (TDSAT).	0	0	0	0	0	0	2/2	0	0	0
Aviation Communications Systems Basic Technician (ACSBT).	0	0	2/2	0	0	0	0	0	0	0
Aviation Radar Basic Technician (ARBT).	0	0	0	10/6	0	0	0	0	0	0
Tactical Data Systems Administrator Basic Technician (TDSABT).	0	0	0	0	0	2/2	0	0	0	0
Tactical Data Systems Basic Technician (TDSBT).	0	0	0	0	0	0	4/2	0	0	0
Senior Air Director (SAD)	0	0	0	0	0	0	0	0	2/2	0
Weapons Director (WD)	0	0	0	0	0	0	0	0	4/2	0
Surveillance Director (SD)	0	0	0	0	0	0	0	0	2/2	0
Detachment Commander (DETCO)	0	0	0	0	0	0	0	1/0	0/1	0
Data Link Coordinator (DLC)	0	0	0	0	0	0	0	0	0	2/2
Surveillance Operator (SO)	0	0	0	0	0	0	0	0	0	4/4
Tactical Air Traffic Controller (TATC)	0	0	0	0	0	0	0	0	0	4/0
Deep Air Controller (DAC)	0	0	0	0	0	0	0	0	0	2/0
Air Intercept Controller (AIC)	0	0	0	0	0	0	0	0	0	4/4
Missile Controller (MC)	0	0	0	0	0	0	0	0	0	2/0
Assistant Controller (AC)	0	0	0	0	0	0	0	0	0	6/4
Crew Chief (CC)	0	0	0	0	0	0	0	0	0	2/2
Detachment Chief (DETC)	0	0	0	0	0	0	0	0	0	1/1

**Note:** (\*) While the minimum requirement is to have 2 TDSCC's from the EW/C and 2 TDSCC's from the TAOC, these can be filled by any 5939, 5974, or 5979 who meets the prerequisites for the position.

1.10 READINESS REPORTING. The paragraphs and tables below delineate the minimum crew qualifications and designations required to contribute



to unit readiness. Chapter 7 of the Aviation T&R Program Manual provides additional guidance and a detailed description of readiness reporting using the Defense Readiness Reporting System--Marine Corps (DRRS--MC) and the Current Readiness program.

1.10.1 Combat Leadership requirements for readiness reporting are per paragraph 1.12.

1.11 INSTRUCTOR DESIGNATIONS (5000 Phase)

TAOC										
INSTRUCTOR DESIGNATIONS (5000 Phase)										
CMMR										
INSTRUCTOR DESIGNATIONS	5902	5910	5939	5948	5970	5974	5979	7202	7210	7236
BASIC INSTRUCTOR	1	1	2	1	1	2	2	0	3	6
SENIOR INSTRUCTOR	1	1	1	1	1	1	1	0	2	2
WEAPONS AND TACTICS INSTRUCTOR	1	1	0	0	1	0	0	1	1	1
AICI	0	0	0	0	0	0	0	0	0	2
SFTI	0	0	0	0	0	0	0	0	0	2
MDTI	0	0	0	0	0	0	0	0	0	2

1.12 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)

TAOC/EWC											
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)											
(6000 Phase)											
CREW COMPOSITION	5902	5910	5939	5948	5970	5974	5979	7202	7210	7236	
TAOC DETACHMENT S-6 OFFICER	1	0	0	0	0	0	0	0	0	0	
DATA SYSTEMS MAINTENANCE OFFICER	0	0	0	0	1	0	0	0	0	0	
AVIATION RADAR MAINTENANCE OFFICER	0	2	0	0	0	0	0	0	0	0	
Aviation Radar Maintenance Chief (ARMC)	0	0	0	2	0	0	0	0	0	0	
Tactical Data Systems Maintenance Chief (TDSMC)	0	0	0	0	0	0	1	0	0	0	
Aviation Radar Chief (ARC)	0	0	0	2	0	0	0	0	0	0	
Aviation Radar Chief 63 (ARC63)	0	0	0	1	0	0	0	0	0	0	
Designation as a Tactical Data Systems Crew Chief (TDSCC).	0	0	4*	0	0	4*	4*	0	0	0	
Aviation Communications Systems Advanced Technician (ACSAT).	0	0	2	0	0	0	0	0	0	0	
Aviation Radar Advanced Technician (ARAT).	0	0	0	4	0	0	0	0	0	0	
Tactical Data Systems Administrator Advanced Technician (TDSAAT).	0	0	0	0	0	2	0	0	0	0	
Tactical Data Systems Advanced Technician (TDSAT).	0	0	0	0	0	0	4	0	0	0	
Aviation Communications Systems Basic Technician (ACSBT).	0	0	4	0	0	0	0	0	0	0	

TAOC/EWC										
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)										
(6000 Phase)										
Aviation Radar Basic Technician (ARBT).	0	0	0	16	0	0	0	0	0	0
Tactical Data Systems Administrator Basic Technician (TDSABT).	0	0	0	0	0	4	0	0	0	0
Tactical Data Systems Basic Technician (TDSBT).	0	0	0	0	0	0	6	0	0	0
Local Area Fam	0	0	0	0	0	0	0	0	14	60
Surveillance Director (SD)	0	0	0	0	0	0	0	0	4	0
Weapons Director (WD)	0	0	0	0	0	0	0	0	6	0
Senior Air Director (SAD)	0	0	0	0	0	0	0	0	4	0
Assistant Controller (AC)	0	0	0	0	0	0	0	0	0	10
Tactical Air Traffic Controller (TATC)	0	0	0	0	0	0	0	0	0	8
Deep Air Controller (DAC)	0	0	0	0	0	0	0	0	0	2
Air Intercept Controller (AIC)	0	0	0	0	0	0	0	0	0	8
Missile Controller (MC)	0	0	0	0	0	0	0	0	0	2
Data Link Coordinator (DLC)	0	0	0	0	0	0	0	0	0	4
Surveillance Operator (SO)	0	0	0	0	0	0	0	0	0	8
Crew Chief (CC)	0	0	0	0	0	0	0	0	0	4
COMBAT LEADERSHIP										
MAINT OFFICER	1	0	0	0	0	0	0	0	0	0
RDR MC	0	0	0	1	0	0	0	0	0	0
TDS MC	0	0	0	0	0	0	1	0	0	0
Detachment Commander (DETCO)	0	0	0	0	0	0	0	1	0	0
Detachment Chief (DCHF)	0	0	0	0	0	0	0	0	0	1

**Note:** (\*) While the minimum requirement is to have 2 TDSCC's from the EW/C and 2 TDSCC's from the TAOC, these can be filled by any 5939, 5974, or 5979 who meets the prerequisites for the position.

1.13 UNIT EXTERNAL SYLLABUS RESOURCE REQUIREMENTS. Not Applicable.



CHAPTER 2

AVIATION ELECTRONICS MAINTENANCE OFFICER MOS 5902  
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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THIS CHAPTER RESERVED FOR FUTURE USE

CHAPTER 3

AVIATION RADAR MAINTENANCE OFFICER (MOS 5910)/INDIVIDUAL TRAINING AND  
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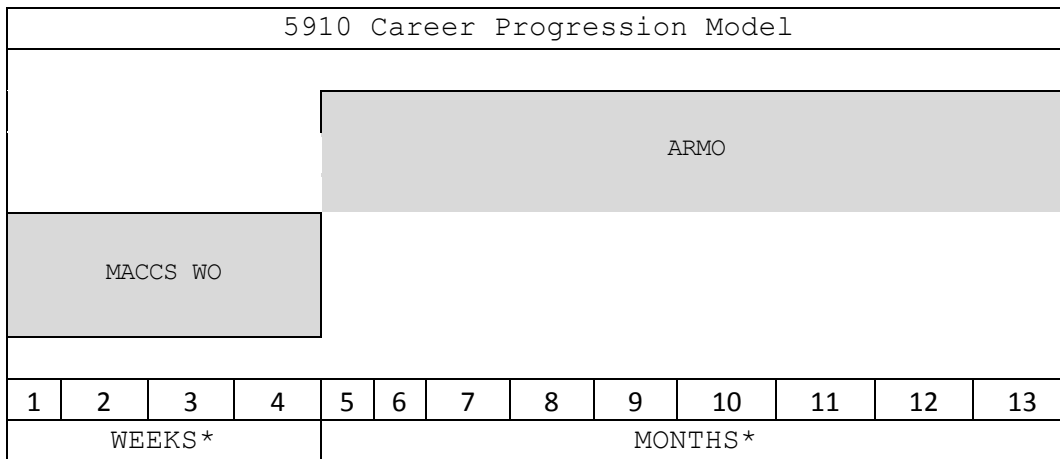
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CHAPTER 3

AVIATION RADAR MAINTENANCE OFFICER (MOS 5910)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

3.0 AVIATION RADAR MAINTENANCE OFFICER /5910 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

3.1 5910 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



\* Months indicated are training months, not calendar months.

3.2 ABBREVIATIONS

TAOC MAINTENANCE MOS 5910	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
COMSEC	COMMUNICATION SECURITY
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT



<b>TAOC MAINTENANCE MOS 5910</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
<b>MISSION SKILL (3000 Phase)</b>	
EWC	EARLY WARNING AND CONTROL SITE
EQUIP	EQUIPMENT
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
ARMO	AVIATION RADAR MAINTENANCE OFFICER
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN

### 3.3 DEFINITIONS

<b>TERM</b>	<b>DEFINITION</b>
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.

<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

3.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

3.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

3.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

3.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

3.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

3.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5910					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI			
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
COMSEC	2190R	COMSEC	2190	COMSEC	2190
COMSEC	2191R	COMSEC	2191	COMSEC	2191
COMSEC	2192R	COMSEC	2192	COMSEC	2192
COMSEC	2193R	COMSEC	2193	COMSEC	2193
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195	COMSEC	2195

TAOC MAINTENANCE MOS 5910					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2200				
COMSEC	2201				
COMSEC	2202				
COMSEC	2203				
FAM	2210				
FAM	2211				
FAM	2213				
FAM	2214				
FAM	2217				
FAM	2218				
FAM	2222				
FAM	2223				
IAWFAT	2250				
IAWFAT	2251				
IAWFAT	2252				
IAWFAT	2253				
IAWFAT	2254				
IAWFAT	2255				
IAWFAT	2256				
IAWFAT	2257				
IAWFAT	2258				
IAWFNT	2259				
IAWFNT	2260				
IAWFNT	2261				
IAWFNT	2262				
IAWFNT	2263				
IAWFST	2264				
IAWFST	2265				
IAWFST	2266				
IAWFST	2267				
IAWFST	2268				
IAWFST	2269				
EQUIP	2428				
EQUIP	2429				
EQUIP	2430				
EQUIP	2431				
EQUIP	2432				
EQUIP	2433				
EQUIP	2434				
EQUIP	2435				
MMGT	2615				
MMGT	2616				
MMGT	2617				
MMGT	2618				
MMGT	2619				
MMGT	2620				
MMGT	2621				
MMGT	2622				
MMGT	2623				
MMGT	2624				
MMGT	2650R	MMGT	2650R	MMGT	2650R
OMGT	2695				
OMGT	2696				
OMGT	2697				
OMGT	2698				

TAOC MAINTENANCE MOS 5910					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
OMGT	2699				
OMGT	2700				
OMGT	2701				
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
TAOC	IWFAT-3280R	TAOC	IWFAT-3280R	TAOC	IWFAT-3280R
	IWFAT-3281R		IWFAT-3281R		IWFAT-3281R
	IWFNT-3282R		IWFNT-3282R		IWFNT-3282R
	IWFST-3283R		IWFST-3283R		IWFST-3283R
	EQUIP-3450R		EQUIP-3450R		EQUIP-3450R
	EQUIP-3451R		EQUIP-3451R		EQUIP-3451R
	MMGT-3660				
	MMGT-3661R		MMGT-3661R		MMGT-3661R
	MMGT-3662				
	OMGT-3716				
OMGT-3717R	OMGT-3717R	OMGT-3717R			
EWC	IWFAT-3280R	EWC	IWFAT-3280R	EWC	IWFAT-3280R
	IWFAT-3281R		IWFAT-3281R		IWFAT-3281R
	IWFNT-3282R		IWFNT-3282R		IWFNT-3282R
	IWFST-3283R		IWFST-3283R		IWFST-3283R
	EQUIP-3450R		EQUIP-3450R		EQUIP-3450R
	EQUIP-3451R		EQUIP-3451R		EQUIP-3451R
	MMGT-3660				
	MMGT-3661R		MMGT-3661R		MMGT-3661R
	MMGT-3662				
	OMGT-3716				
OMGT-3717R	OMGT-3717R	OMGT-3717R			
CORE PLUS SKILL (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
EQUIP	4452				
EQUIP	4453				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

3.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

3.5.1 INSTRUCTOR DESIGNATIONS

TAOC MAINTENANCE MOS 5910 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5000, 5010, 5020, 5100, 5110, 5120, 5130
WEAPONS AND TACTICS INSTRUCTOR (WTI)	6000

3.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5910</b>	
<b>REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)</b>	
<b>RCQD</b>	<b>EVENTS</b>
COMPTIA A+ Technician (CAT) (CERT-6200)	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
COMPTIA NETWORK+ Technician (CNT) (CERT-6201)	2259, 2260, 2261, 2262, 2263, 3282
COMPTIA SECURITY+ Technician (CST) (CERT-6202)	2264, 2265, 2266, 2267, 2268, 2269, 3283
AVIATION RADAR MAINTENANCE OFFICER (ARMO) (DESG-6300)	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2210, 2211, 2212, 2213, 2214, 2217, 2218, 2222, 2223, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3450, 3451, 3452, 3453, 3660, 3661, 3662, 3716, 3717

3.6 5910 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

3.6.1 Basic POI

<b>TAOC MAINTENANCE 5910</b>		
<b>BASIC POI</b>		
<b>WEEKS<sup>1</sup></b>	<b>PHASE OF INSTRUCTION</b>	<b>UNIT RESPONSIBLE</b>
0-4	CORE SKILL INTRODUCTION TRAINING	MCCES
5-9	CORE SKILL TRAINING	TACTICAL SQUADRON
10-13	MISSION SKILL TRAINING	TACTICAL SQUADRON

3.6.2 Refresher POI

<b>TAOC MAINTENANCE MOS 5910</b>		
<b>REFRESHER POI</b>		
<b>WEEKS<sup>1</sup></b>	<b>PHASE OF INSTRUCTION</b>	<b>UNIT RESPONSIBLE</b>
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

3.7 SYLLABUS NOTES

3.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

3.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

3.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

3.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

3.8 ACADEMIC PHASE (0000)

3.8.1 Purpose. **RESERVED FOR FUTURE USE**

3.8.2 General

3.8.2.1 Admin Notes.

3.8.2.2 Prerequisites.

3.8.2.3 Stages.

3.9 CORE SKILL INTRODUCTION PHASE (1000)

3.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5939 Aviation Communication Systems Technician. This training is completed upon graduation from the Aviation Communication Systems Technician Course.

3.9.2 General.

3.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

3.9.2.2 Admin Notes. None

3.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
3.9.3	AIR SCHOOLS (AIRS) STAGE

3.9.3 AIR SCHOOLS (AIRS) STAGE

3.9.3.1 Purpose. To train Aviation Radar Maintenance Officer and Data System Maintenance Officers in core skill introduction phase training events.

3.9.3.2 General

Prerequisite. MOS 5910 or 5970.

Admin Notes. Hours are not utilized in the header information for each of the blocks of training provided by MCCES. MACCS Warrant Officer Course (CID: M099681), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1001 \* B E G

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

AIRS-1002 \* B E G

Goal. Conduct an inspection of maintenance functional areas.

Requirement. Given required references and a current inspection checklist, demonstrate the procedures for inspecting the following functional areas:



1. State the purpose for inspecting the functional areas.
2. Identify and review the references for each functional area and obtain applicable and current inspection lists for all.
3. Conduct an inspection of all areas to familiarize the trainee with the specifics of each.
  - a. Calibration Control Program.
  - b. Publication Control Program.
  - c. Quality Assurance Program.
  - d. Preventive Maintenance Program.
  - e. Modification Control Program.
  - f. Tool Control Program.
  - g. MIMMS.
  - h. Training Program.
  - i. Records.
  - j. Safety Program.
  - k. Corrosion Prevention and Control CPAC.
4. Explain the inspection procedures.
  - a. Schedule the inspection.
  - b. Inform functional area manager.
  - c. Turn over folders are IAW the references.
  - d. Submit an executive summary at the conclusion of the inspection.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_ MCO P4400.82\_
2. MCO P4400.160B
3. MCO P4400.150\_
4. MCO 4855.10\_ MCO 4790.18\_ MCO 4733.1\_ MCO 4450.12\_ MCO 4400.16\_ MCO 4105.2\_
5. UM-PLMS W CH 1-2
6. NAVMC DIR 5100.8
7. NAVMC 2761 DTD 1 JUN 08
8. MCO P5215.17\_
9. MCO P5102.1\_ MCO P5090.2\_ MCO 5104.2
10. MCO 5104.1\_ ,
11. MCO 5100.8
12. MCO 5100.29\_ MCO 3000.11\_ M MCO 3710.6
13. MCO 1553.3 (PRELIM) MCO 3500.14

AIRS-1003                      \*                      B    E    G

Goal. Identify the key elements of Operational Orders (OPORD).

Requirement. Given an OPORD, identify those key elements pertaining to the unit's communications requirements, perform the following:

1. Identify the purpose and major sections of the OPORD.
2. State the purpose and content of the Annex K.
  - a. State the purpose and content of the OPTASKLINK.
  - b. State the purpose and content of an EKMS Callout.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1

AIRS-1004                    \*            B    E    G

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Goal. Reconcile Marine Corps Integrated Maintenance Management System (MIMMS) Automated Information System (AIS) reports.

Requirement. Given the AIS reports listed in item 1 below:

1. Identify the purpose of:
  - a. Daily Process Report (DPR).
  - b. Logistics Maintenance 2 (LM2).
  - c. Daily Transaction List (DTL).
  - d. Exceptions Report.
  - e. TAM report.
  - f. LM2 report.
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Equipment Record Order (ERO) NAVMC 10425.
  - j. Equipment Record Order Supply Listing (EROSL) NAVMC 10925.
  - k. Inspection repair tag (NAVMC 1018).
  - l. Layette bin.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000
3. NAVMC 10425
4. NAVMC 10925
5. UM 4790-5
6. MCO P4400.16
7. TM 4700.15/1\_

AIRS-1005                 \*             B                                     E                                     G

Goal. Identify the services provided by Marine Wing Communications Squadron.

Requirement. Given the references, describe the following services:

1. Single Channel Radio Communications.
2. Wide Area Networks (WAN) / Local Area Networks (LAN) Communications.
3. Electronic Message Communications.
4. Telephone Communications.
5. Digital Backbone.
6. Communications Control.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3 MAGTF communications system
2. MCWP 3-25 Control of Aircraft and Missiles

AIRS-1006                 \*             B                                     E                                     G

Goal. Identify Information Assurance requirements for tactical employment of information systems.

Requirement. Given the reference, perform the following:

1. Identify the Accreditation package requirements.
2. Explain the purpose of the Authority to Operate (ATO).
3. Explain configuration management and its relationship to IA.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD Directive 5200.28
2. DOD Directive 5200.40
3. MCO P5239.1B

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AIRS-1007                    \*            B    E    G

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

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AIRS-1008                    \*            B    E    G

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1009                   \*           B   E   G

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Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1010                   \*           B   E   G

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Goal. Analyze the TO/E.

Requirement. Given a TO/E, explain the following:

1. Mission statement.
2. Billet Organization.
3. Equipment Organization.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. URL <https://tfsms.mccdc.usmc.mil>
2. MCO 5311.1\_

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AIRS-1011                   \*           B   E   G

Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Submit frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Submit Satellite Access requirements.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40\_
2. MCO 2400.2

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AIRS-1012                   \*           B   E   G

Goal. Identify the embarkation requirements for the major end items of the TACC, DASC, TAOC, and EW/C.

Requirement. Given the reference, list:

1. Hazardous Material requirements.
2. Security requirements.
3. Material Handling Equipment requirements.
4. Equipment specific transportation requirements.
5. Identify MAGTF Deployment Support System II (MDSS II) elements.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4030.33
2. MCRP 4-11

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AIRS-1013                    \*            B    E    G

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1014                   \*           B   E   G

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Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1015                   \*           B   E   G

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Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit



4. MCBUL 3000

AIRS-1016                   \*           B                                   E                                   G

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Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, identify the process for submission and complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Describe the process of completing an Urgent UNS form.
5. Describe the process of completing a deliberate UNS form.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17

AIRS-1017                   \*           B                                   E                                   G

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Goal. Validate induction of new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation IAW the reference.
  - b. Ensure initial SL-3 was performed.
  - c. Ensure an initial LTI was performed.
  - d. Ensure induction of new equipment into calibration cycle a required.
  - e. Ensure equipment is accounted for within EKMS as required.
  - f. Ensure the equipment and proper documentation was sent to Supply.
  - g. Ensure supply received the proper documentation to add equipment to the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1
6. MCO P4400.82
7. UM 4400.124

AIRS-1018                    \*            B    E    G

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Goal. Demonstrate the process to phase out obsolete equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
  - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
  - e. Ensure the record jackets were completed and accompanied equipment.
  - f. Ensure the equipment and proper documentation was sent to Supply for turn-in.
  - g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82
6. UM 4400.124

AIRS-1019                   \*           B   E   G

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Goal. Identify maintenance funding requirements.

Requirement. Given a scenario, equipment maintenance history and anticipated maintenance shortfalls, propose funding allocations for maintenance activities to create a maintenance budget.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirement and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.
4. Submit a budget request to the instructor for validation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

AIRS-1020                   \*           B   E   G

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Goal. Identify the SECREP management process.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.

5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG
4. MCO P4400.82F,
5. MCO P4400.151B  
(ADD REFTS)

AIRS-1021                      \*              B    E    G

Goal. Identify DOD Information Assurance Workforce structure.

Requirement. Given the reference, identify:

1. The IA categories.
2. Requirements for IA categories.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.01-M

AIRS-1022                      \*              B    E    G

Goal. Access published information within TFSMS.

Requirement. Given access to TFSMS, complete the following:

1. Access unit TO/E.

2. Access standard reports.
3. Create custom reports.
4. Manage custom reports.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. URL <https://tfsms.mccdc.usmc.mil>
2. MCO 5311.1\_

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AIRS-1023                   \*           B   E   G

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Goal. Describe readiness ratings within DRRS-MC.

Requirement. IAW the reference, describe the following:

1. Describe P-rating.
2. Describe S-rating.
3. Describe R-rating.
4. Describe T-rating.
5. Describe C-level assessment.
6. Identify how the Commander will assess their METs.
  - a. Yes.
  - b. Qualified Yes.
  - c. No.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14C
2. MCO 3000.13 MARINE CORPS READINESS REPORTING STANDARD OPERATING PROCEDURES (SOP)

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AIRS-1024                   \*           B   E   G

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Goal. Explain the product quality deficiency report (PQDR).

Requirement. Given the reference, an item of equipment or a scenario, identify the following:

1. Purpose of the PQDR.
2. Criteria under which a PQDR should be submitted.
3. Information required for submitting a PQDR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400-124
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program)
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>

AIRS-1025                    \*            B    E    G

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Goal. Identify major funding lines.

Requirement. Given the references, identify major funding lines:

1. Operation & Maintenance (O&M) Funds.
  - a. Planning Estimate (PE).
    - (1) Direct Support Stock Center (DSSC).
    - (2) Temporary Additional Duty.
    - (3) Fuel.
    - (4) Government-Wide Commercial Purchase Card Program (GCPC).
  - b. Requisition Authority (RA) - Supported Activities Supply System (SASSY).
2. Research, Development, Test & Evaluation (RDT&E).
3. Procurement Marine Corps (PMC).
4. Military Construction (MILCON).
5. Blue Dollars (2F Funds).

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

AIRS-1026                   \*           B   E   G

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Goal. State the duties of the responsible Officer.

Requirement. IAW the reference and given a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Describe the process of the CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine UURI requirements.
  - c. Ensure equipment have record jackets.
  - d. Identify discrepancies, if any.
4. State the purpose for the letter of RFI.
5. State the purpose of the delegation of authority.
6. State the purpose of the Responsible Individual (RI).
7. State the purpose for maintaining source documents.

Performance Standard. Pass an Exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2
2. CMR
3. MMO SOP

### 3.10 CORE SKILL TRAINING (2000)

3.10.1 Purpose. To develop core skill proficiency for 5910 personnel to be able to perform duties while assigned as the Aviation Radar Maintenance Officer.

3.10.2 General.

3.10.2.1 Prerequisite.

3.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

3.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
3.10.3	COMMUNICATION SECURITY (COMSEC)
3.10.4	FAMILIARIZATION (FAM)
3.10.5	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
3.10.6	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
3.10.7	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
3.10.8	EQUIPMENT (EQUIP)
3.10.9	MAINTENANCE MANAGEMENT (MMGT)
3.10.10	OPERATIONAL MANAGEMENT (OMGT)

3.10.3 COMMUNICATION SECURITY (COMSEC) STAGE

3.10.3.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

3.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.



7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_
3. SECNAVINST 5510.36
4. UNIT SOP

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COMSEC-2191 2.0 365 B, R, M L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

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COMSEC-2192 2.0 365 B, R, M L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

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COMSEC-2193 2.0 365 B, R, M L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B, R L

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Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

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Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

COMSEC-2196 2.0 \* B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2198 1.0 \* B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2200 4.0 \* B L

Goal. Validate physical security of classified areas.

Requirement. Given a scenario and references, validate physical security requirements of classified areas. Validate the following:

1. Guard schedule.
2. Entry control point.

3. Access Roster.
4. Perimeter.
5. Physical security diagram.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2201 4.0 \* B \_\_\_\_\_ L

Goal. Verify the proper use of a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device:

1. Describe the purpose of common fill device.
2. Describe a common fill device loading procedure.
3. Verify the configuration the common fill device.
4. Identify common fill device indicators and messages.
5. Verify the transfer of key material to Controlled Cryptographic Item (CCI) equipment.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190, 2195

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. SKL
3. Applicable TM for CCI

COMSEC-2202 4.0 \* B \_\_\_\_\_ L

Goal. Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.

Requirement. Perform the Following:

1. Inventory all CCI on the SF-153.
2. State the purpose of each piece of equipment.

Performance Standard. Without the aid of references, physically identify the above items and describe the use for each without error. This must be completed with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2190, 2193

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 2000-OD/2C Characteristics of US Marine Corps C&E Equipment
2. Fill device user's manual

COMSEC-2203 4.0 \* B \_\_\_\_\_ L

Goal. Identify equipment classification requirements.

Requirement. Given the references, identify the classification level of the following:

1. Hardware.
2. Software.
3. Technical manuals.

Performance Standard. Without the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit T/E, Unit SOP

#### 3.10.4 FAMILIARIZATION (FAM) STAGE

3.10.4.1 Purpose. To familiarize the trainee on non-MOS equipment.

3.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

FAM-2210      2.0      \*      B      L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2211      3.0      \*      B      L



Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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FAM-2212      2.0      \*      B      L

Goal. Describe the CAC2S.

Requirement. Given a CAC2S and IETM, complete the following:

1. Identify the purpose of the CAC2S.
2. Identify its functions.
3. Identify software.
4. Identify hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CAC2S IETM

FAM-2213 3.0 \* B L

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Goal. Define Tactical Data Links characteristics.

Requirement. Given the references, perform the following:

1. State the capability of Link 11.
2. State the capability of Link 11B.
3. State the capability of Link 16.
  - a. JREAP A.
  - b. JREAP B.
  - a. JREAP C.
4. State the capability of Army Tactical Data Link-1 (ATDL).
5. State the capability of NATO Link 1.
6. State the capability of Intelligence Broadcast System (IBS).
7. State the capability of Common Operational Picture (COP) Synch Tool (CST).
8. State the capability of Ground Based Data Link Enhanced (GBDLE).
9. List the types of units that utilize each link.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSI 6610.01D, Joint Multi-TADIL Operating Procedures
2. MIL-STD-6011, Link-11/11B
3. MIL-STD-6016, Link-16
4. STANAG 4175, Link 16 terminal (MIDS)

FAM-2214 1.0 \* B L

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Goal. Describe MTAOM equipment.

Requirement. Given the references:

1. Describe the purpose of the System Level Equipment.
2. Describe the purpose of the Digital communications Equipment.
3. Describe the Purpose of the Voice Communications Equipment.
4. Describe the Purpose of the Data Processing Equipment.
5. Describe the Purpose of the Internal Radio Equipment.
6. Describe the Purpose of the Operator interface Equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI MTAOM Operations and Organizational Maintenance Manual

FAM-2217      1.0      \*      B      L

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Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
3. AN/VRC 110.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B (V) 4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
5. AN/GRC-256
  - a. Frequency range
  - b. Power output
  - c. Types of antennas.
6. AN/USQ-140 (V) 2
  - a. Frequency range
  - b. Power output
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2218 1.0 \* B L

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Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

1. TBMCS.
2. AFATDS.
3. C2PC.
4. JADOCs.
5. Transverse (chat program).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

FAM-2222 1.0 \* B L

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Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level

(correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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FAM-2223    1.0    \*    B    L

Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143
4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

3.10.5 INFORMATION ASSURANCE WORK FORCE A+ (IAWFAT) STAGE

3.10.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

3.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 \* B E L

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Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.



External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

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Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 \* B E L

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Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 \* B E L

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Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 \* B E L

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Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with

appropriate tools.

4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

### 3.10.6 INFORMATION ASSURANCE WORK FORCE NETWORK+ (IAWFNT) STAGE

3.10.6.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 3.10.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.

8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

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Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

### 3.10.7 INFORMATION ASSURANCE WORK FORCE SECURITY+ (IAWFST) STAGE

3.10.7.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 3.10.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

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Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

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Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.



Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 \* B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 \* B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

### 3.10.8 EQUIPMENT (EQUIP) STAGE

3.10.8.1 Purpose. To train the trainee on basic concepts of equipment maintenance.

3.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-2428 2.0 \* B L

Goal. Identify hazards specific to the LRR and MRR.

Requirement. Given the references and an energized LRRS and MRRS, identify the following hazards:

1. RF.
2. Components.
3. Fire.
4. Suffocation.
5. Emplacement operations and maintenance.
6. Electro-static discharge.

Performance Standard. With the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR
2. TM 07736C 14/1-1

EQUIP-2429 2.0 \* B L

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Goal. Review system troubleshooting on a MRR.

Requirement. Given the references, a core capable crew, a de-energized MRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Monitor the operational checks and alignments of the radar system.
2. Review symptoms of a fault within the radar system.
3. Review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.  
TM 07736C Series

EQUIP-2430 2.0 \* B L

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Goal. Verify the MRR system configuration.

Requirement. Given the reference, a core capable crew, an operating MRR, and operational documents, complete the following:

1. Verify the appropriate radar frequency.
2. Verify the appropriate radar pulse width.
3. Verify the appropriate MTI range.
4. Verify the appropriate weather sector.
5. Verify the appropriate staggered PRF sector for the operational environment.
6. Verify the appropriate radar blanking sector.
7. Verify and/or adjust the manual STC curve to suit the operational environment.
8. Verify and/or adjust the manual ECM alarm to suit the operational environment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/3

EQUIP-2431 2.0 \* B L

Goal. Review system troubleshooting on a long range radar system.

Requirement. Given the references, a core capable crew, a de-energized LRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Direct the operational checks and alignments of the radar system.
2. Review symptoms of a fault within the radar system.
3. Review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

EQUIP-2432 2.0 \* B L

Goal. Verify the LRR system configuration.

Requirement. Given the reference and an operational LRR, a core capable crew, operational documents, verify the following:

- Radar Frequency.
- Physical Data.
- Atmospheric Data.
- External Alignment.
- IFF Control.
- SET Function Status.

- Platform Level.
- North Alignment.
- Mission.
- Weather Sectors.
- Blanking Sectors.
- Radar Control.
- Scan Rate.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

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EQUIP-2433 2.0 \* B L

Goal. Verify the configuration of the Interrogator Set.

Requirement. Given the references, a core capable crew, operational documents, radar, and an Interrogator set verify the following:

1. Cable configuration.
2. Software parameters.
3. Hardware configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Interrogator TM

EQUIP-2434 2.0 \* B L

Goal. Plan for deployment of radars.

Requirement. Given a scenario to deploy a MRR and a LRR, complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.
3. Establish an accurate T/O list.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.
6. Coordinate COMSEC support.
7. Identify communication requirement.
8. Know required frequencies for radar operation.
9. Establish an accurate Secondary Repairable (SECREP) list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify facility requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

EQUIP-2435 6.0 \* B L

Goal. Prepare to deploy a long range radar system.

Requirement. Given the references, perform the following:

1. Establish an accurate equipment density list.

2. Establish an accurate packing list.
3. Establish an accurate T/O list.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.
6. Coordinate COMSEC support.
7. Identify communication requirement.
8. Know required frequencies for radar operation.
9. Establish an accurate SECREP list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify chow and billeting requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

### 3.10.9 MAINTENANCE MANAGEMENT (MMGT) STAGE

3.10.9.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

#### 3.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2615    6.0    \*    B    \_\_\_\_\_    L

Goal. Identify the requirements for a Pre-extended Bin (PEB).

Requirement. Given the references, end item or scenario, identify and provide the following:

1. Describe the purpose of the PEB.
2. Identify PEB constraints; cost and consumption.
3. Describe proper accountability and usage of PEB material.
4. Provide an authorization request and inventory of PEB material.
5. Describe actions required within Global Combat Support System-Marine Corps (GCSS-MC).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C W/CH. 1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. MCBUL 3000 (Current FY)
4. Planner 101 course
5. [https://gcssmc-sso.csd.disa.mil/gcssmc\\_portal/training.html](https://gcssmc-sso.csd.disa.mil/gcssmc_portal/training.html)

MMGT-2616 6.0 \* B L

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Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. Ensure the timely performance of all corrective maintenance actions per the references.

1. Verify the induction process:
  - a. Confirm SL-3 accountability.
  - b. Ensure visual inspection occurs.
  - c. Verify record jacket.
  - d. Verify proper organizational PM.
2. Ensure correctness of Service Request (SR) and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered and correctness of SR.
6. Ensure faulty item is repaired to code A status.
7. Ensure safety measures are adhered to during repair process.
8. Conduct quality control procedures:
  - a. Review quality control procedures.
  - b. Verify quality control inspectors based on individual qualifications on equipment are assigned in writing.



9. Verification of MI and TI.
10. Verify proper closeout of SR.
11. Ensure equipment record jacket is updated.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-2617 6.0 \* B L

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Goal. Identify Critical Low Density SECREP assets and required on-hand quantities.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review them and provide recommendations for organizational Critical Low Density SECREP assets and required on-hand quantities. Write a "justify non-demand supported secrep allowances" letter as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2

3. FEDLOG
4. Reference is MCO P440.151B

MMGT-2618 6.0 \* B L

Goal. Develop a maintenance section budget.

Requirement. Utilizing equipment maintenance history and forecasting anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Provide maintenance funding request based on current requirements while considering prior year utilization history.
  - a. Preventive Maintenance.
  - b. Corrective Maintenance.
2. Draft an anticipated maintenance funding request based on the unit's TEEP to support.
  - a. Personnel travel requirements.
  - b. Administrative support requirements (SERVMART).
3. Submit funding request with justification.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

MMGT-2619 6.0 \* B L

Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1\_
2. Unit TO&E

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MMGT-2620    6.0    \*    B    L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2

2. CMR
3. MMO SOP

MMGT-2621 4.0 \* B L

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Goal. Draft a Using Unit Responsibility Items (UURI) authorization letter.

Requirement. Given the reference, complete the following:

1. Identify required UURI.
2. Draft a UURI authorization letter.

Performance Standard. Submit to the evaluator the correctly formatted UURI authorization letter that identifies required quantities of all UURI IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Applicable end item SL-3
3. SecNavInst 5216.2\_
4. MCO P4400.150\_
5. Unit MMSOP

MMGT-2622 4.0 \* B L

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Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a scenario, conduct the following:

1. State the purpose of the WIR.
2. State the criteria under which an item should be processed for WIR.
3. State the information required to submit a WIR request.
4. State the submission procedures for a WIR request.
5. State the method to follow up on WIR submissions.
  - a. WIR on-line Process Handler.
  - b. Weekly Supply reconciliation.
6. Explain disposition instruction.

Performance Standard. Correctly state the items in the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400
3. MCOP4400.82F

MMGT-2623 4.0 \* B L

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Goal. Submit a maintenance cycle time extension letter.

Requirement. Given the reference, equipment, and applicable equipment records conduct the following:

1. Identify maintenance cycle time requirement.
2. Draft a maintenance cycle time extension letter.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure the justification meets the requirements.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Applicable end item technical manual
3. NAVMC 5216.2\_
4. Unit MMSOP

MMGT-2624 4.0 \* B L

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Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.

3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400-124
3. Unit MMSOP
4. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
5. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program)
6. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>
7. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/online\\_train.htm](https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm)

MMGT-2650 4.0 1095 B, R, M L

Goal. Assess maintenance shop performance.

Requirement. Given the references, perform the following:

1. Determine key performance indicators.
2. Determine functional areas to be inspected.
3. Develop an inspection plan.
4. Assign personnel to conduct inspections.
5. Review results.
6. Assess strengths and weaknesses.
7. Develop/implement a corrective plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. CGI checklist
3. FSMAO inspection checklist
4. MMO SOP

3.10.10 OPERATIONAL MANAGEMENT (OMGT) STAGE

3.10.10.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

3.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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OMGT-2695    6.0    \*    B    L

Goal. Design a site layout.

Requirement. Given a scenario, the references, a TO/E and mission statement, determine an appropriate site for system emplacement by designing a site layout by performing the following:

1. Conduct a site survey.
2. Determine a primary and secondary site location.
3. Analyze terrain to:
  - a. Determine tactical orientation and equipment emplacement.
  - b. Determine obstructions and hazards.
  - c. Determine communications requirements and obstacles.
  - d. Determine operational footprint.
  - e. Determine power and fuel requirements.
  - f. Determine the placement for vehicles.
  - g. Determine the placement for antennas.
  - h. Determine proper grounding system.
  - i. Determine protection from the elements.
  - j. Determine Terrain Masking.
4. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity.
5. Design a site layout.
  - a. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Ordnance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.

6. Submit the site layout to the instructor for validation.

Performance Standard. The trainee will provide the instructor with reasoning for the following (instructors are encouraged to discuss site survey in depth with the trainee)

1. Selection of the primary and secondary site.
2. Site limitations for each site (if any).
3. How each site will support mission requirements?
4. Determine a security plan.
5. Draw the site layout to support the scenario.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.3
3. MCWP 3-25.4
4. MCWP 3-25.5
5. MCWP 3-25.6
6. MCWP 3-25.7
7. MCWP 3-25.8
8. MCWP 3-25.10
9. MCWP 5-1
10. IEEE C95.1-1991
11. NAVSHIPS 0967-317-7010
12. TM 9406-15
13. DODINST 6055.11
14. BUMED 6470.23
15. OPNAVINST 5100.23 Series
16. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
17. Navy Safety Center
18. MCO 5100.29\_
19. MCO 5104.2\_
20. MCO 5104.3\_

OMGT-2696 6.0 \* B L

Goal. Prepare and present a command level brief for deployment.

Requirement. Given an OPORD and commander's intent, perform the following:

1. Prepare a brief that contains at minimum the following:
  - a. State the OPORD mission.
  - b. Maintenance essential tasks extracted from the OPORD.
  - d. List equipment requirements to support mission.



- e. Define crew composition and management based on T&R CMMR.
  - i. Emplacement.
  - k. Redeployment plan.
  - l. State maintenance sustainment plan.
  - m. State supply support required.
  - n. State logistical support required.
  - o. Issues of concern.
2. Present the brief.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor will ensure the brief contains the requirement items and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. OPORD
2. Local Unit SOP
3. Local MMO SOP

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OMGT-2697    6.0    \*    B    L

Goal. Identify Operational Requirements.

Requirement. Given an OPORD, determine the operational requirement of the maintenance section to support the mission, to include:

1. Communication electronics equipment required.
  - a. Radio requirements.
  - b. Network requirements.
  - c. Radar requirements.
2. Engineering equipment.
  - a. Air conditioners.
  - b. Heavy equipment.
  - c. Generators.
3. Personnel required.
  - a. Identify minimum number of mission skilled maintainers per crew required to support the mission.
  - b. Identify minimum number of designated leaders required to support the mission.
  - c. List the administrative requirements for crew.
    - (1) Tactical license.
    - (2) Security Clearance.
4. Cryptographic equipment required.
5. Logistics support required.

6. Supply support required.
  - a. Bill of Material (BOM) requirements.
  - b. SECREP requirements.
7. Frequencies required.
  - a. Draft a frequency request. (TPS-63, TPS-59, IFF, Mode-4).
  - b. Draft a satellite access request.
8. Develop an Equipment Density List (EDL) for PEIs.
9. Draw a site layout plan.
10. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
11. Submit the site layout and brief the plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Planning MCWP 5-1
2. MOS Manual
3. TM 2000
4. MCWP 3-40.3
5. CJCSM 6231
6. JT PUB Series 6-05
7. Chapter 1 of this Manual

OMGT-2698 4.0 \* B L

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Goal. Provide input for the operational plan.

Requirement. Given an operation and command guidance, provide input for the operations order:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the mission Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Provide input for mission execution.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure that the communications portion of operation plan supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order

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OMGT-2699 4.0 \* B L

Goal. Organize and staff crew for deployment.

Requirement. Given a scenario and references, perform the following:

1. Integrate crew personnel.
  - a. Ensure minimum number of core skilled maintainers are assigned per this manual.
  - b. Ensure minimum number of designated leaders are assigned per this manual.
2. Administrate crew.
  - a. Tactical license.
  - b. Supply.
  - c. Orders.
  - d. Security Clearance.
  - e. Pay.
  - f. Courier Letter.
3. Conduct crew brief.

Performance Standard. Given a scenario, identify the requirements to establish a core capable crew, without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5

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OMGT-2700 4.0 \* B L

Goal. Submit of a Bill of Material (BOM) request.

Requirement. Given TEEP documents and references, perform the

following:

1. Collect requests from maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24 hour operations and for the length of the exercise, validate the content to ensure that it meets sustained operational requirement.
4. Submit a BOM request.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2

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OMGT-2701 4.0 \* B L

Goal. Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.

Requirement. Given references, ensure that all personnel are informed of and following all safety procedures and precautions during all phases of operation and maintenance by performing the following:

1. Prepare deliberate ORM for the given scenario.
2. Ensure all safety procedures/precautions are followed during embarkation.
  - a. Packing.
  - b. Loading.
3. Ensure all safety procedures/precautions are followed during employment.
  - a. Set-up.
  - b. Operations.
4. Ensure all safety procedures/precautions are followed during maintenance.
  - a. Personnel safety.
  - b. Equipment safety.

Performance Standard. Given a scenario and core competent crew, prepare ORM worksheets and verify safety procedures are followed. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are

acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable technical manuals
3. NAVMC DIR 5100.8

### 3.11 MISSION SKILL TRAINING (3000)

3.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

3.11.2 General.

3.11.2.1 Prerequisite.

3.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

3.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
3.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
3.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
3.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
3.11.6	EQUIPMENT (EQUIP)
3.11.7	MAINTENANCE MANAGEMENT (MMGT)
3.11.8	OPERATIONAL MANAGEMENT (OMGT)

3.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

3.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

3.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 4.0 1095 B, M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
4. Printers.
5. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 4.0 1095 B, M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
4. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

3.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

3.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

3.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 4.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-005.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
4. Network Management.
5. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

### 3.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

3.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 3.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 4.0 1095 B, R, M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
4. Cryptography.
5. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.



1. CompTIA Approved Quality Content (CAQC) program reference material

### 3.11.6 EQUIPMENT (EQUIP) STAGE

3.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 3.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3450 2.0 365 B, R, M L

Goal. Verify operational configuration of the MRR.

Requirement. Given the reference and an operational MRR, a core capable crew, operational documents, verify that the following supports the operations order:

- Radar Frequency.
- IFF settings.
- Weather Sectors.
- Blanking Sectors.
- Radar Control.
- Scan Rate.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-07736C-14/?

EQUIP-3451 2.0 365 B, R, M L

Goal. Verify operational configuration of the LRR.

Requirement. Given the reference and an operational LRR, a core capable crew, operational documents, verify that the following supports the operations order:

- Radar Frequency.
- Physical Data.
- Atmospheric Data.
- External Alignment.
- IFF settings.
- SET Function Status.
- Mission.
- Weather Sectors.
- Blanking Sectors.
- Radar Control.
- Scan Rate.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

#### 4.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

4.11.8.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 4.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3716 6.0 \* B L

Goal. Deploy a maintenance section in support of unit operations.

Requirement. Given a scenario or operational deployment and commander's guidance, deploy the maintenance section:

1. Review and recommend changes to the operational plan.
2. Coordinate equipment support as required.
3. Review and recommend changes to the Bill of Materials.
4. Review and recommend SECREP requirements as required.
5. Supervise pack-up of equipment.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Review and approve EDL.
8. Determine maintenance requirements.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_

OMGT-3717 20.0 730 B, R, M L

Goal. Deploy radar capability ISO operations order.

Requirement. Given the reference, core capable crew(s), operational documents, radar(s), complete the following:

1. Verify radar(s) site emplacement.
2. Verify radar(s) configuration.
3. Verify crew(s) are established.
4. Verify classified materials are managed.
5. Verify physical security.
6. Verify logistics support.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. To meet the requirement the radar(s) must be moved.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC 7200 SAD input

Reference.

1. MCRP 5.11.1A
2. MCWP 3-40.3
3. MCWP 3.25
4. MCWP 3-25.7
5. TM-07736C
6. TM-07751C-OR

3.12 CORE PLUS TRAINING (4000)

3.12.1 Purpose. To train the trainee on core plus concepts.

3.12.2 General.

3.12.2.1 Prerequisiste. None

3.12.2.2 Admin Notes. None

3.12.2.3 Stages. The following stages are included in the Core Plus Skill Phase of training.

PAR NO.	STAGE NAME
3.12.3	EQUIPMENT (EQUIP)

3.12.3 EQUIPMENT (EQUIP) STAGE

3.12.3.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

3.12.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-4452 2.0 \* B L

Goal. Review system troubleshooting on the TDS equipment within the TAOC.

Requirement. Given the references, a mission capable crew, appropriate tools, TMDE, and a command and control system; complete the follow for each systems below:

1. Monitor the operational checks and alignments of each system as required.
2. Identify and review symptoms of a fault within each system.
3. Review the fault to the line replaceable unit within each system.

-MTAOM  
-CTN  
-CAC2S

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

EQUIP-4453 2.0 \* B \_\_\_\_\_ L

Goal. Verify system configuration and operation of tactical data systems within the TAOC.

Requirement. Given the references, an emplaced system, and a mission capable crew, verify equipment configuration and direct operational assessment within the system to include the following:

1. Operations of the TAOM, MTAOM.
  - a. Voice Communications Equipment.
  - b. Digital Communications Equipment.
  - c. Data Processing Equipment.
  - d. Operator Interface Equipment.
2. Operation of the ADCP.
  - a. Link 16.
  - b. JRE.
3. Operation of the CS.
4. Operations of the PDS.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TM 11399A-OI/1 JRE Operations and Maintenance Instructions

3.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

3.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

3.13.2 General.

3.13.2.1 Prerequisite. None

3.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) Weapons and Tactics Instructor (WTI)

(4) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(5) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient
SI	Core Skill and Mission Skill events
WTI	Mission Skill and Qualification events.

	- Evaluate and recommend for qualification - Endorse recommendations for position designations
	The Commanding Officer is the approving authority for qualifications and designations.

3.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
3.13.3	INSTRUCTOR UNDER TRAINING (IUT)

### 3.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

3.13.3.1 Purpose. To train Aviation Radar Maintenance Officers in the fundamentals of instructing and training processes.

#### 3.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

### 3.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

3.14.1 Purpose. This phase provides community standardization for MACCS Warrant Officer certifications and designations; combat leaders and instructor designations. This syllabus does not contain "one time" certification training requirements.

#### 3.14.2 General.

3.14.2.1 Prerequisite. None

3.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and

administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

3.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
3.14.3	CERTIFICATIONS (CERT)
3.14.4	DESIGNATION (DESG)
3.14.5	SCHOOL CODES (SCHL)

### 3.14.3 CERTIFICATIONS (CERT) STAGE

3.14.3.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 3.14.3.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 4.0 \* B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordnance. None.



Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6201 4.0 \* B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6202 4.0 \* B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

### 3.14.4 DESIGNATIONS (DESG) STAGE

3.14.4.1 Purpose. To provide for designation of combat leaders and

instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

3.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6300 1.0 \* \_\_\_\_\_ L

Goal. Designation as the ARMO.

Requirement. Be recommended for designation by the unit WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2210, 2211, 2212, 2213, 2214, 2217, 2218, 2222, 2223, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3450, 3451, 3716, 3717, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 \* B \_\_\_\_\_ L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6321 1.0 \* B L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6322 0.5 \* B

Goal. Designation as Weapons and Tactics Instructor (WTI).

Requirement. Be certified by MAWTS-1 as a WTI and be recommended for designation by the squadron WTI. The commanding officer will designate the WTI in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2210, 2211, 2212, 2213, 2214, 2217, 2218, 2222, 2223, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3450, 3451, 3716, 3717, 6000, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

3.14.5 SCHOOL CODES (SCHL) STAGE

3.14.5.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5910 in the skill progression of the Marine.

3.14.5.2 General

Prerequisite. None

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. None

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A

3.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

3.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

3.15.2 General

3.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

3.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

3.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
3.15.3	CONDITION (COND)

3.15.3 CONDITION (COND) STAGE

3.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

3.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
4. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist

2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

3.16 AVIATION CAREER PROGRESSION MODEL (8000).

3.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

3.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE

ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	<b>MAGTF</b>		1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	4000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	4000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	4000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

3.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5910											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
	T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE		
CORE SKILL (2000 Phase)											
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-



TAOC MAINTENANCE MOS 5910											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Validate physical security of classified areas.	COMSEC	2200	*	COMSEC	2200					2191, 2192	-
Verify the proper use of a Common Fill Device.	COMSEC	2201	*	COMSEC	2201					2190, 2195	-
Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.	COMSEC	2202	*	COMSEC	2202					2190, 2193	-
Identify equipment classification requirements.	COMSEC	2203	*	COMSEC	2203					2190	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	FAM	2211	*	FAM	2211					-	-
Describe the CAC2S.	FAM	2212	*	FAM	2212					-	-
Define Tactical Data Links characteristics.	FAM	2213	*	FAM	2213					-	-
Describe MTAOM equipment.	FAM	2214	*	FAM	2214					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Describe C2 Applications.	FAM	2218	*	FAM	2218					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					-	-
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-
Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-

TAOC MAINTENANCE MOS 5910											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain access control and identity management.	IWFST	2268	*	IWFST	2268					-	-
Explain application, data and host security.	IWFST	2269	*	IWFST	2269					-	-
Identify hazards specific to the LRR and MRR.	EQUIP	2428	*	EQUIP	2428					-	-
Review system troubleshooting on a MRR.	EQUIP	2429	*	EQUIP	2429					-	-
Verify the MRR system configuration.	EQUIP	2430	*	EQUIP	2430					-	-
Review system troubleshooting on a long range radar system.	EQUIP	2431	*	EQUIP	2431					-	-
Verify the LRR system configuration.	EQUIP	2432	*	EQUIP	2432					-	-
Verify the configuration of the Interrogator Set.	EQUIP	2433	*	EQUIP	2433					-	-
Plan for deployment of radars.	EQUIP	2434	*	EQUIP	2434					-	-
Prepare to deploy a long range radar system.	EQUIP	2435	*	EQUIP	2435					-	-
Identify the requirements for a Pre-extended Bin (PEB).	MMGT	2615	*	MMGT	2615					-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	2616	*	MMGT	2616					-	-
Identify Critical Low Density SECREP assets and required on-hand quantities.	MMGT	2617	*	MMGT	2617					-	-
Develop a maintenance section budget.	MMGT	2618	*	MMGT	2618					-	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2619	*	MMGT	2619					-	-
Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2620	*	MMGT	2620					-	-
Draft a Using Unit Responsibility Items (UURI) authorization letter.	MMGT	2621	*	MMGT	2621					-	-
Explain Recoverable Items Report (WIR) procedures.	MMGT	2622	*	MMGT	2622					-	-
Submit a maintenance cycle time extension letter.	MMGT	2623	*	MMGT	2623					-	-
Submit a Product Quality Deficiency Report (PQDR).	MMGT	2624	*	MMGT	2624					-	-
Assess maintenance shop performance.	MMGT	2650	1095	MMGT	2650	MMGT	2650	MMGT	2650	-	-
Design a site layout.	OMGT	2695	*	OMGT	2695					-	-
Prepare and present a command level brief for deployment.	OMGT	2696	*	OMGT	2696					-	-
Identify Operational Requirements.	OMGT	2697	*	OMGT	2697					-	-
Provide input for the operational plan.	OMGT	2698	*	OMGT	2698					-	-
Organize and staff crew for deployment.	OMGT	2699	*	OMGT	2699					-	-
Submit of a Bill of Material (BOM) request.	OMGT	2700	*	OMGT	2700					-	-
Ensure safety procedures and precautions are followed during	OMGT	2701	*	OMGT	2701					-	-

TAOC MAINTENANCE MOS 5910											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
embarkation, set-up, and maintenance production.											
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IAWFAT	3280	1095	IAWFAT	3280	IAWFAT	3280	IAWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IAWFAT	3281	1095	IAWFAT	3281	IAWFAT	3281	IAWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IAWFNT	3282	1095	IAWFNT	3282	IAWFNT	3282	IAWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IAWFST	3283	1095	IAWFST	3283	IAWFST	3283	IAWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Verify operational configuration of the MRR.	EQUIP	3450	365	EQUIP	3450	EQUIP	3450	EQUIP	3450	-	-
Verify operational configuration of the LRR.	EQUIP	3451	365	EQUIP	3451	EQUIP	3451	EQUIP	3451	-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Assess maintenance funding requirements.	MMGT	3662	*	MMGT	3662					-	-
Deploy a maintenance section in support of unit operations.	OMGT	3716	*	OMGT	3716					-	-
Deploy radar capability ISO operations order.	OMGT	3717	730	OMGT	3717	OMGT	3717	OMGT	3717	-	-
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Review system troubleshooting on the TDS equipment within the TAOC.	EQUIP	4452	*	EQUIP	4452					-	-
Verify system configuration and operation of tactical data systems within the TAOC.	EQUIP	4453	*	EQUIP	4453					-	-

3.18 T&R SYLLABUS MATRIX

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV/
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS)																			
AIRS	1001	Draw a Communications Diagram for the agencies within the MACG.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1002	Conduct an inspection of maintenance functional areas.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1003	Identify the key elements of Operational Orders (OPORD).	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1004	Reconcile Marine Corps Integrated Maintenance Management System (MIMMS) Automated Information System (AIS) reports.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1005	Identify the services provided by Marine Wing Communications Squadron.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1006	Identify Information Assurance requirements for tactical employment of information systems.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1007	Identify TAOC and EW/C communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1008	Identify TACC Communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1009	Identify DASC communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1010	Analyze the TO/E.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1011	Identify spectrum management procedures.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1012	Identify the embarkation requirements for the major end items of the TACC, DASC,	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		TAOC, and EW/C.																	
AIRS	1013	Identify LAAD Communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1014	Identify MATC communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1015	Identify UAS Communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1016	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1017	Validate induction of new equipment into service.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1018	Demonstrate the process to phase out obsolete equipment.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1019	Identify maintenance funding requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1020	Identify the SECREP management process.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1021	Identify DOD Information Assurance Workforce structure.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1022	Access published information within TFSMS.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1023	Describe readiness ratings within DRRS-MC.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1024	Explain the product quality deficiency report (PQDR).	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1025	Identify major funding lines.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
AIRS	1026	State the duties of the responsible Officer.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	
TOTAL AIR SCHOOLS (AIRS) STAGE										26	0.0	0	0.0	0	0.0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
COMMUNICATION SECURITY (COMSEC)																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B,R,M	-	L	-	-	-	365		0		0		2.0	-	-	-	
COMSEC	2191	State the physical security	B,R,M	-	L	-	-	-	365		0		0		2.0	-	-	-	

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		requirements for classified areas.																	
COMSEC	2192	Create a classified area physical security diagram.	B,R,M	-	L	-	-	-	365		0		0		2.0	2191	-	-	-
COMSEC	2193	Conduct classified material inventory.	B,R,M	-	L	-	-	-	365		0		0		2.0	2190	-	-	-
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*		0		0		2.0	2190	-	-	-
COMSEC	2195	Utilize a Common Fill Device.	B,R,M	-	L	-	-	-	365		0		0		2.0	2190	-	-	-
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*		0		0		2.0	2190	-	-	-
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*		0		0		2.0	2190	-	-	-
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*		0		0		1.0	2190	-	-	-
COMSEC	2200	Validate physical security of classified areas.	B	-	L	-	-	-	*		0		0		4.0	2191, 2192	-	-	-
COMSEC	2201	Verify the proper use of a Common Fill Device.	B	-	L	-	-	-	*		0		0		4.0	2190, 2195	-	-	-
COMSEC	2202	Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.	B	-	L	-	-	-	*		0		0		4.0	2190, 2193	-	-	-
COMSEC	2203	Identify equipment classification requirements.	B	-	L	-	-	-	*		0		0		4.0	2190	-	-	-
TOTAL COMMUNICATION SECURITY (COMSEC) STAGE										0	0.0	0	0.0	13	33.0				
FAMILIARIZATION (FAM)																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
FAM	2211	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*		0		0		3.0	-	-	-	-
FAM	2212	Describe the CAC2S.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
FAM	2213	Define Tactical Data Links characteristics.	B	-	L	-	-	-	*		0		0		3.0	-	-	-	-
FAM	2214	Describe MTAOM equipment.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2218	Describe C2 Applications.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
<b>TOTAL FAMILIARIZATION (FAM) STAGE</b>										0	0.0	0	0.0	9	15.0				
<b>INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>										0	0.0	0	0.0	9	36.0				
<b>INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>										0	0.0	0	0.0	5	20.0				
<b>INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>										0	0.0	0	0.0	6	24.0				

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>EQUIPMENT (EQUIP)</b>																			
EQUIP	2428	Identify hazards specific to the LRR and MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2429	Review system troubleshooting on a MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2430	Verify the MRR system configuration.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2431	Review system troubleshooting on a long range radar system.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2432	Verify the LRR system configuration.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2433	Verify the configuration of the Interrogator Set.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2434	Plan for deployment of radars.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	2435	Prepare to deploy a long range radar system.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
<b>TOTAL EQUIPMENT (EQUIP) STAGE</b>										0	0.0	0	0.0	8	20.0				
<b>MAINTENANCE MANAGEMENT (MMGT)</b>																			
MMGT	2615	Identify the requirements for a Pre-extended Bin (PEB).	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2616	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2617	Identify Critical Low Density SECREP assets and required on-hand quantities.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2618	Develop a maintenance section budget.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2619	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2620	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
MMGT	2621	Draft a Using Unit Responsibility Items (UURI) authorization letter.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-



TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MMGT	2622	Explain Recoverable Items Report (WIR) procedures.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
MMGT	2623	Submit a maintenance cycle time extension letter.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
MMGT	2624	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
MMGT	2650	Assess maintenance shop performance.	B,R,M	-	L	-	-	-	1095		0		0		4.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0.0	0	0.0	11	56.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	2695	Design a site layout.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
OMGT	2696	Prepare and present a command level brief for deployment.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
OMGT	2697	Identify Operational Requirements.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
OMGT	2698	Provide input for the operational plan.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
OMGT	2699	Organize and staff crew for deployment.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
OMGT	2700	Submit of a Bill of Material (BOM) request.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
OMGT	2701	Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0.0	0	0.0	7	34.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										0.0	0.0	0.0	0.0	68.0	238.0				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2250, 2251, 2252, 2253, 2254	-	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2255, 2256, 2257, 2258	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0				

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>										0	0	0	0	1	4.0				
<b>EQUIPMENT (EQUIP)</b>																			
EQUIP	3450	Verify operational configuration of the MRR.	B,R,M	-	L	-	-	-	365		0		0		2.0	-	-	-	-
EQUIP	3451	Verify operational configuration of the LRR.	B,R,M	-	L	-	-	-	365		0		0		2.0	-	-	-	-
<b>TOTAL EQUIPMENT (EQUIP) STAGE</b>										0	0	0	0	2	4.0				
<b>MAINTENANCE MANAGEMENT (MMGT)</b>																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
MMGT	3662	Assess maintenance funding requirements.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
<b>TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE</b>										0	0	0	0	3	6.0				
<b>OPERATIONAL MANAGEMENT (OMGT)</b>																			
OMGT	3716	Deploy a maintenance section in support of unit operations.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
OMGT	3717	Deploy radar capability ISO operations order.	B,R,M	-	L	-	-	-	730		0		0		20.0	-	-	-	-
<b>TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE</b>										0	0	0	0	2	26.0				
<b>TOTAL MISSION SKILL PHASE (3000 PHASE)</b>										0.0	0.0	0.0	0.0	11.0	52.0				
<b>CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)</b>																			
<b>EQUIPMENT (EQUIP)</b>																			
EQUIP	4452	Review system troubleshooting on the TDS equipment within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	4453	Verify system configuration and operation of tactical data systems within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
<b>TOTAL EQUIPMENT (EQUIP) STAGE</b>										0	0	0	0	2	4.0				
<b>TOTAL CORE PLUS SKILL PHASE (4000 PHASE)</b>										0.0	0.0	0.0	0.0	2.0	4.0				
<b>TOTAL 2000, 3000, AND 4000 PHASE</b>										0.0	0.0	0.0	0.0	81.0	294.0				

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WT1	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1.0	Recommended by SI or WT1	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WT1	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
CERTIFICATION (CERT)																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	L	*		0		0		4.0	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	L	*		0		0		4.0	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	L	*		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0				

TAOC MOS 5910 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>DESIGNATIONS (DESG)</b>																			
DESG	6300	AVIATION RADAR MAINTENANCE OFFICER (ARMO) (DESG-6300)	B	-	L	-	-	L	*	0	0	0	0	1.0	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2210, 2211, 2212, 2213, 2214, 2217, 2218, 2222, 2223, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3450, 3451, 3716, 3717, 4452, 4453, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-	
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	L	*	0	0	0	0	1.0	5000, 5010, 5020	-	-	-	
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	L	*	0	0	0	0	1.0	5000, 5010, 5020, 5100, 5110, 5120, 5130	-	-	-	
DESG	6322	Designation as a Weapons and Tactics Instructor (WTI).	B	-	L	-	-	L	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
<b>TOTAL DESIGNATIONS STAGE (DESG)</b>										0	0	0	0	4	4.0				
<b>SCHOOL CODES (SCHL)</b>																			
SCHL	6000	Weapons and Tactics Instructor (WTI)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
<b>TOTAL SCHOOL CODES STAGE (SCHL)</b>										5	0	0	0	0	0.0				
<b>TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)</b>										5	0.0	0	0.0	7	16.0				

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3.19 ADDITIONAL MATRICES. None

3.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

3.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

3.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 4

TACTICAL AIR OPERATIONS CENTER MAINTENANCE AVIATION COMMUNICATIONS SYSTEMS  
TECHNICIAN (MOS 5939)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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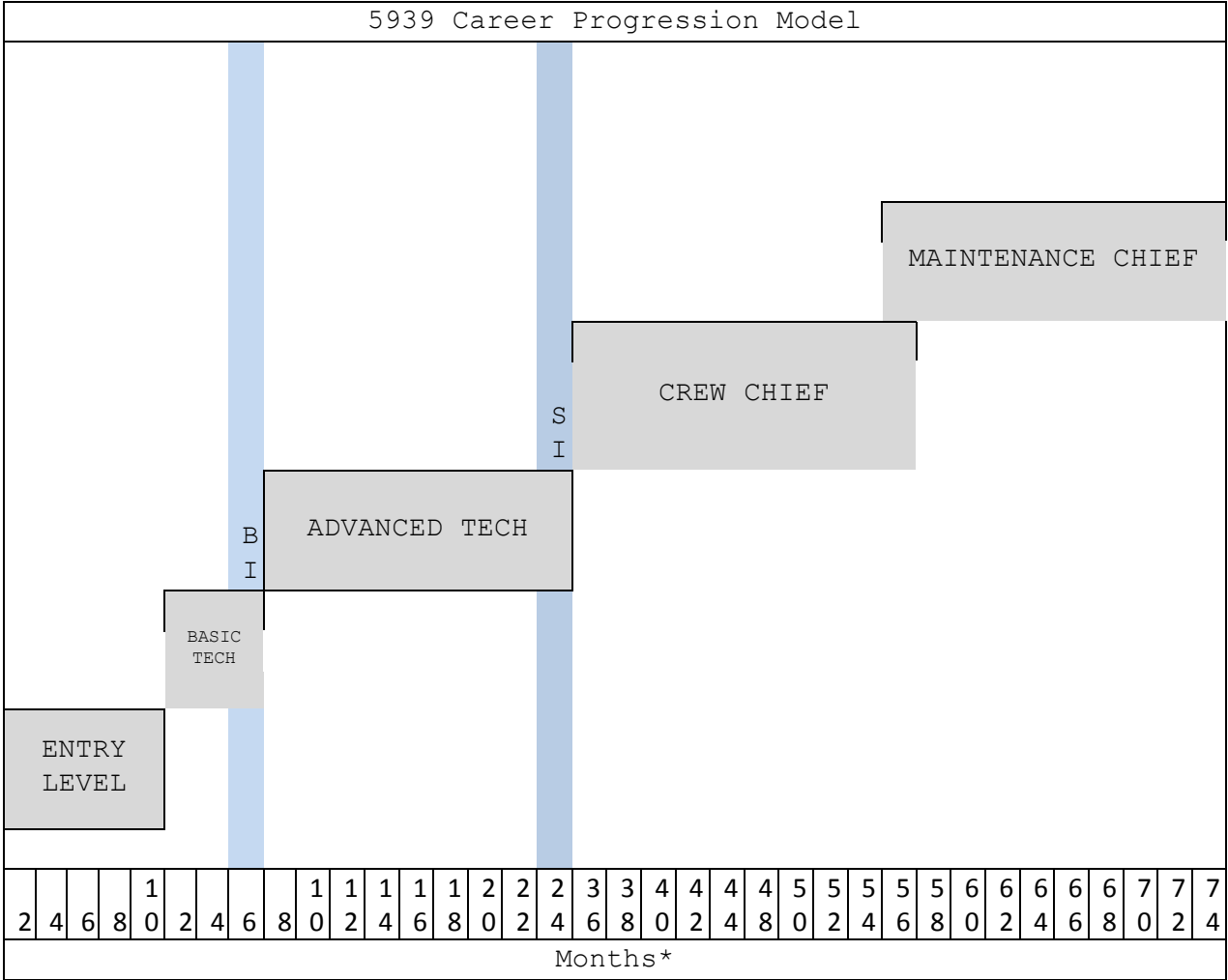
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CHAPTER 4

AVIATION COMMUNICATIONS SYSTEMS TECHNICIAN/5939  
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

4.0 AVIATION COMMUNICATIONS SYSTEMS TECHNICIAN /5939 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

4.1 5939 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.





4.2 ABBREVIATIONS

<b>TAOC MAINTENANCE MOS 5939</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
<b>CORE SKILL (2000 Phase)</b>	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
<b>MISSION SKILL (3000 Phase)</b>	
EWC	EARLY WARNING AND CONTROL SITE
EQUIP	EQUIPMENT
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
MACG	MARINE AIR CONTROL GROUP
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
<b>CORE PLUS (4000 Phase)</b>	
EQUIP	EQUIPMENT
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
ACSBT	AVIATION COMMUNICATIONS SYSTEM S BASIC TECHNICIAN
ACSAT	AVIATION COMMUNICATIONS SYSTEM ADVANCED TECHNICIAN
ACSCC	AVIATION COMMUNICATIONS SYSTEMS CREW CHIEF
ACSMC	AVIATION COMMUNICATIONS SYSTEMS MAINTENANCE CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY

HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY
TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

#### 4.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

#### 4.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

4.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

4.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

4.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

4.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

4.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154	CMN	2154		
CMN	2155				
CMN	2156				
CMN	2157				
CMN	2158				
CMN	2159	CMN	2159		
TMDE	2171	TMDE	2171		
TMDE	2172	TMDE	2172		
TMDE	2173	TMDE	2173		
TMDE	2175	TMDE	2175		
TMDE	2176	TMDE	2176		

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
TMDE	2177	TMDE	2177		
TMDE	2178	TMDE	2178		
TMDE	2179	TMDE	2179		
COMSEC	2190	COMSEC	2190	COMSEC	2190
COMSEC	2191	COMSEC	2191	COMSEC	2191
COMSEC	2192	COMSEC	2192	COMSEC	2192
COMSEC	2193	COMSEC	2193	COMSEC	2193
COMSEC	2194	COMSEC	2194		
COMSEC	2195	COMSEC	2195	COMSEC	2195
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199	COMSEC	2199	COMSEC	2199
FAM	2211				
FAM	2213				
FAM	2214				
FAM	2215				
FAM	2216				
FAM	2218				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
FAM	2223				
CD	2230	CD	2230		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				
CD	2236				
CD	2237				
CD	2238				
CD	2239	CD	2239	CD	2239
CD	2243				

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	2250				
IAWFAT	2251				
IAWFAT	2252				
IAWFAT	2253				
IAWFAT	2254				
IAWFAT	2255				
IAWFAT	2256				
IAWFAT	2257				
IAWFAT	2258				
IAWFNT	2259				
IAWFNT	2260				
IAWFNT	2261				
IAWFNT	2262				
IAWFNT	2263				
IAWFST	2264				
IAWFST	2265				
IAWFST	2266				
IAWFST	2267				
IAWFST	2268				
IAWFST	2269				
EQUIP	2380				
EQUIP	2381				
EQUIP	2384				
EQUIP	2385				
EQUIP	2386				
EQUIP	2387				
EQUIP	2388				
EQUIP	2389				
EQUIP	2390	EQUIP	2390	EQUIP	2390
EQUIP	2391	EQUIP	2391	EQUIP	2391
EQUIP	2392	EQUIP	2392	EQUIP	2392
EQUIP	2393	EQUIP	2393	EQUIP	2393
EQUIP	2394	EQUIP	2394	EQUIP	2394
EQUIP	2395	EQUIP	2395	EQUIP	2395
EQUIP	2396	EQUIP	2396		
EQUIP	2397				

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
EQUIP	2398				
EQUIP	2399				
EQUIP	2400				
EQUIP	2401				
EQUIP	2402				
EQUIP	2403	EQUIP	2403		
EQUIP	2404				
EQUIP	2405				
EQUIP	2406				
MMGT	2600				
MMGT	2601				
MMGT	2602	MMGT	2602		
MMGT	2603				
MMGT	2604				
MMGT	2605				
MMGT	2606				
MMGT	2607				
MMGT	2608	MMGT	2608		
MMGT	2609				
MMGT	2610				
MMGT	2611				
MMGT	2612				
MMGT	2613				
MMGT	2614				
OMGT	2680				
OMGT	2681	OMGT	2681	OMGT	2681
OMGT	2682	OMGT	2682	OMGT	2682
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686	OMGT	2686	OMGT	2686
OMGT	2687				
OMGT	2688	OMGT	2688	OMGT	2688
OMGT	2689				
OMGT	2690				
OMGT	2691				

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
OMGT	2692				
OMGT	2694	OMGT	2694		
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
TAOC	IAWFAT-3280	TAOC	IAWFAT-3280	TAOC	IAWFAT-3280
	IAWFAT-3281		IAWFAT-3281		IAWFAT-3281
	IAWFNT-3282		IAWFNT-3282		IAWFNT-3282
	IAWFST-3283		IAWFST-3283		IAWFST-3283
	EQUIP-3470		EQUIP-3470		EQUIP-3470
	EQUIP-3471		EQUIP-3471		EQUIP-3471
	MMGT-3660				
	MMGT-3661		MMGT-3661		MMGT-3661
	MMGT-3662				
	OMGT-3710		OMGT-3710		OMGT-3710
	OMGT-3711				
	OMGT-3712				
	OMGT-3713		OMGT-3713		OMGT-3713
	OMGT-3714				
	OMGT-3715				
	MACG-3750		MACG-3750		MACG-3750
	MACG-3751		MACG-3751		MACG-3751
	MACG-3752		MACG-3752		MACG-3752
	MACG-3753		MACG-3753		MACG-3753
	MACG-3754		MACG-3754		MACG-3754
MACG-3755	MACG-3755	MACG-3755			
MACG-3756	MACG-3756	MACG-3756			
EWC	IAWFAT-3280	EWC	IAWFAT-3280	EWC	IAWFAT-3280
	IAWFAT-3281		IAWFAT-3281		IAWFAT-3281
	IAWFNT-3282		IAWFNT-3282		IAWFNT-3282
	IAWFST-3283		IAWFST-3283		IAWFST-3283
	EQUIP-3470		EQUIP-3470		EQUIP-3470
	EQUIP-3471		EQUIP-3471		EQUIP-3471
	MMGT-3660				
	MMGT-3661		MMGT-3661		MMGT-3661
	MMGT-3662				
	OMGT-3710		OMGT-3710		OMGT-3710

TAOC MAINTENANCE MOS 5939					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
	OMGT-3711				
	OMGT-3712				
	OMGT-3713		OMGT-3713		OMGT-3713
	OMGT-3714				
	OMGT-3715				
	MACG-3750		MACG-3750		MACG-3750
	MACG-3751		MACG-3751		MACG-3751
	MACG-3752		MACG-3752		MACG-3752
	MACG-3753		MACG-3753		MACG-3753
	MACG-3754		MACG-3754		MACG-3754
	MACG-3755		MACG-3755		MACG-3755
	MACG-3756		MACG-3756		MACG-3756
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
EQUIP	4111				
EQUIP	4114				
EQUIP	4426	EQUIP	4426	EQUIP	4426
EQUIP	4427	EQUIP	4427	EQUIP	4427
EQUIP	4466				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

4.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.



4.5.1 INSTRUCTOR DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5939 INSTRUCTOR DESIGNATIONS (5000 Phase)</b>	
<b>INSTRUCTOR DESIGNATION</b>	<b>EVENTS</b>
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 5000, 5010, 5020, 6100
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6101

4.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5939 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)</b>	
<b>RCQD</b>	<b>EVENTS</b>
AVIATION COMMUNICATION SYSTEM BASIC TECHNICIAN (ACSBT) (QUAL 6100)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715
AVIATION COMMUNICATION SYSTEM ADVANCED TECHNICIAN (ACSA) (QUAL 6105)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6100
COMPTIA A+ Technician (CAT) (CERT-6200)	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
COMPTIA NETWORK+ Technician (CNT) (CERT-6201)	2259, 2260, 2261, 2262, 2263, 3282
COMPTIA SECURITY+ Technician (CST) (CERT-6202)	2264, 2265, 2266, 2267, 2268, 2269, 3283
Aviation Communication Systems Crew Chief (ACSCC) (DESG-6301)	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2239, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3470, 3471, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6100, 6101

Aviation Communication Systems Maintenance Chief (ACSMC) (DESG- 6302)	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2239, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3470, 3471, 3660, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6100, 6101
SAFETY COLLATERAL DUTY (SAF CD) (DESG 6340)	2230, 2235, 2236
HAZARDOUS MATERIAL COLLATERAL DUTY (HAZMAT CD) (DESG 6341)	2230, 2235, 2236
PUBLICATIONS COLLATERAL DUTY (PUB CD) (DESG 6342)	2230, 2234
TOOLS COLLATERAL DUTY (TOOLS CD) (DESG 6343)	2230, 2233
CALIBRATIONS COLLATERAL DUTY (CAL CD) (DESG 6344)	2230, 2231
MODIFICATIONS COLLATERAL DUTY (MOD CD) (DESG 6345)	2230, 2232, 2234
EMBARK COLLATERAL DUTY (EMB CD) (DESG 6346)	2230, 2237
MIMMS CD (DESG 6347)	2159, 2230, 2602
TRAINING COLLATERAL DUTY (TRNG CD) (DESG 6348)	2230
QUALITY CONTROL COLLATERAL DUTY (QC CD) (DESG 6349)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6100, 6101

4.6 5939 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

4.6.1 Basic POI

TAOC MAINTENANCE 5939		
BASIC POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
1-33	CORE SKILL INTRODUCTION TRAINING	MCCES
34-58	CORE SKILL TRAINING	TACTICAL SQUADRON
59-82	MISSION SKILL TRAINING	TACTICAL SQUADRON
83-88	CORE PLUS	TACTICAL SQUADRON

4.6.2 Refresher POI

TAOC MAINTENANCE MOS 5939		
REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

4.7 SYLLABUS NOTES

4.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

4.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

#### 4.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

#### 4.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

#### 4.8 ACADEMIC PHASE (0000)

4.8.1 Purpose. **RESERVED FOR FUTURE USE**

4.8.2 General

4.8.2.1 Admin Notes.

4.8.2.2 Prerequisites.

4.8.2.3 Stages.

4.9 CORE SKILL INTRODUCTION PHASE (1000)

4.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5939 Aviation Communication Systems Technician. This training is completed upon graduation from the Aviation Communication Systems Technician Course.

4.9.2 General.

4.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

4.9.2.2 Admin Notes. None

4.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
4.9.3	AIR SCHOOLS (AIRS) STAGE

4.9.3 AIR SCHOOLS (AIRS) STAGE

4.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure and setup communications equipment, conduct preventive maintenance and limited technical inspections on assigned equipment. This training phase is complete upon graduation from the Aviation Communication Systems Technician Course (ACSTC) when the Marine is designated MOS 5939, Aviation Communication Systems Technician (ACST).

4.9.3.2 General

Prerequisite. Graduate from the Basic Electronics Course (CID: M092721) and meet the 5939 requirements delineated in the MOS Manual.

Admin Notes. Hours are not utilized in the header information for each of the blocks of training provided by MCCES. Aviation Communication Systems Technician Course (CID: M09E2Z1), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1030 \* B E G

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Goal. Maintain the Communication System (CS).

Requirement. Given the references, a CS, and a simulated communication plan:

1. Describe the PMCS process for the CS.
2. Isolate a fault in the CS DC Power Distribution System.
3. Isolate a fault in the CS AC Power Distribution System.
4. Isolate a fault in the CS Radio Distribution System.
5. Isolate a fault in the CS Signal Distribution System.
6. Restore the CS to an operational state.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)

AIRS-1031 \* B E CAC2S G

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Goal. Maintain voice circuits within the Common Aviation Command and Control System (CAC2S)

Requirement. Given the references, a Communication System (CS), a Processing and Display System (PDS), and a simulated communications plan:

1. Perform an operational check of voice circuits
2. Maintain radio circuits
3. Maintain secure telephone circuits
4. Maintain non-secure telephone circuits
5. Maintain public address circuits
6. Maintain the voice signal distribution system

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)

AIRS-1032                   \*           B   E   G

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Goal. Set-up the Communication System (CS) for operation.

Requirement. Given the references, a CS, and a simulated communication plan:

1. Describe the CS.
2. Emplace the CS.
3. Initialize the CS Power Distribution System.
4. Initialize the CS Radio Distribution System.
5. Initialize the CS Signal Distribution System.
6. Configure communication circuits.
7. Conduct an operational check on the CS.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)

AIRS-1033                   \*           B   E   G

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Goal. Initialize voice circuits within the Common Aviation Command and Control System (CAC2S).

Requirement. Given the references, a Communication System (CS), a Processing and Display System (PDS), and a simulated communications plan:

1. Describe the CAC2S voice network.
2. Configure radio circuits.
3. Configure secure telephone circuits.
4. Configure non-secure telephone circuits.
5. Configure public address circuits.
6. Configure voice signal distribution system components.
7. Monitor the voice network.

8. Integrate the CS with the PDS.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)

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AIRS-1034                   \*           B   E   G

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Goal. Configure the CAC2S voice network.

Requirement. Given references, network equipment, CAC2S network design document, a CAC2s network design diagram, and appropriate software:

1. Describe networking fundamentals.
2. Describe functions of networking equipment.
3. Configure a switch for CAC2s voice traffic.
4. Utilize network monitoring software to maintain the network.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Computer Networks and Internets book 0-13-083617-6
2. Data Communications Networking Devices book part 1 0-47197515-X, PT1
3. Data Communications Networking Devices book part 2 0-471-97515-X, PT2
4. TCP/IP Network Administration 1-56592 322-7
5. Essential System Administration, O'Reilly & Associates 1 56592-127-5
6. CISCO Routers 24/SEVEN book 0-7821-2646-4

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AIRS-1035                   \*           B   E   G

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Goal. Maintain the DSAN network.

Requirement. Given the references, DSAN equipment, and a simulated communication plan:

1. Restore DSAN software on a DSU.
2. Restore DSAN software on a VSOL.
3. Reimage a VSOL.
4. Isolate a fault in the DSAN network.
5. Perform routine network maintenance tasks.
6. Monitor the DSAN network utilizing monitoring software.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-10576C-OI/1A - Communications Interface System (CIS) CS(V)3 Operation and Maintenance Instructions
2. CDC DOC 762324 - Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List
3. CDC DOC 762325 - User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List
4. CDC DOC 762326A - Communication Distribution System (CAC2S) System Description and Overview

AIRS-1036                    \*            B    E    G

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Goal. Configure the Distributed Scalable AccessNet (DSAN).

Requirement. Given the references, DSAN equipment, and a simulated communication plan:

1. Describe the DSAN network.
2. Describe the DSAN equipment.
3. Configure a Digital Switching Unit.
4. Configure a Voice System Operator Laptop (VSOL).
5. Conduct an operational check of the DSAN network.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-10576C-OI/1A - Communications Interface System (CIS) CS(V)3 Operation and Maintenance Instructions
2. CDC DOC 762324 - Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List
3. CDC DOC 762325 - User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List
4. CDC DOC 762326A - Communication Distribution System (CAC2S) System Description and Overview

AIRS-1037                    \*            B    E    G

Goal. Configure AN/VRC-103.

Requirement. Given the references, a simulated communication plan, an AN/VRC-103, a fill device, and a computer with Radio Programming Application (RPA) software:

1. Describe the AN/VRC-103.
2. Perform a limited technical inspection of the AN/VRC-103.
3. Manually configure the AN/VRC-103.
4. Configure the AN/VRC-103 using the Radio Programming Application (RPA) software.
5. Perform an operational check of an established AN/VRC-103 radio net.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 - PRC-117 Operation Manual
2. TM 11255A-OR/1 - AN/VRC-103(V)2 Vehicular Radio Communication System Operation and Maintenance Manual

AIRS-1038                    \*            B    E    G

Goal. Configure AN/VRC-104.

Requirement. Given the references, a simulated communication plan, an AN/VRC-104, a fill device, and a computer with Radio Programming Application (RPA) software:

1. Describe the AN/VRC-104.
2. Perform a limited technical inspection of the AN/VRC-104.
3. Manually configure the AN/VRC-104.
4. Configure the AN/VRC-104 using the Radio Programming Application (RPA) software.
5. Perform an operational check of an established AN/VRC-104 radio net.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-10/1 - AN/PRC-150 (V) (C) Operation Manual
2. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual

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AIRS-1039                      \*              B    E                      GRC-256                      G

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Goal. Maintain the AN/GRC-256.

Requirement. Given the references, TMDE, and an AN/GRC-256A:

1. Describe the characteristics of the AN/GRC-256A.
2. Configure the AN/GRC-256.
3. Conduct required PMCS for the AN/GRC-256.
4. Isolate a faulty LRU within the AN/GRC-256.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-11228A-OI/1 - RT-9000 Operation and Maintenance Manual
2. TM-11228A-OI/2 - LPA-9500 Operation and Maintenance Manual

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AIRS-1040                      \*              B    E                      G

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Goal. Maintain the AN/GRC-171B(V)4.

Requirement. Given the references, TMDE, and an AN/GRC-171B(V)4:

1. Describe the characteristics of the AN/GRC-171B(V)4.
2. Configure the AN/GRC-171B(V)4.
3. Conduct required PMCS on the AN/GRC-171B(V)4.
4. Isolate a faulty LRU within the AN/GRC-171B(V)4.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09780A-13&P/1 W/CH 1-7

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AIRS-1041	*	B	E	G
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Goal. Operate common fill devices.

Requirement. Given the references, communication security (COMSEC) material, and a fill device:

1. Describe the purpose of COMSEC.
2. Describe a cryptographic communication procedure.
3. Safeguard COMSEC material.
4. Describe characteristics of a fill device.
5. Initialize a fill device.
6. Fill cryptographic equipment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_ CMS Policy and Procedures for Navy EKMS Tiers 2 & 3
2. OPNAVINST 5510.1\_ Department of the Navy Information and Personnel Security Program Regulation
3. Applicable fill device Technical Manual

AIRS-1042                   \*           B                                   E                                   G

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Goal. Describe the characteristics of antennas used within the Marine Air Command and Control Systems (MACCS).

Requirement. Given the references:

1. Describe antennas used for RF communications.
2. Describe the technical characteristics of antennas used for voice communications.
3. Describe the radio wave propagation characteristics of antennas used for RF communications.
4. Describe additional antennas used for RF communications in field environments.
5. Describe the radio wave propagation characteristics of additional antennas for RF communications in field environments.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3B - Radio Operators Handbook
2. MCRP 3-40.3C - Antenna Handbook

#### 4.9.3 AVIATION MAINTENANCE (AIRM) STAGE

4.9.3.1 Purpose. To provide entry-level instruction to develop the common basic skills necessary for MACCS Maintenance Marines. This training phase is complete upon graduation from the Aviation Communication Systems Technician Course (ACSTC) when the Marine is designated MOS 5939, Aviation Communication Systems Technician (ACST).

#### 4.9.3.2 General

Prerequisite. Graduate from the Basic Electronics Course (CID: M092721) and meet the 5939 requirements delineated in the MOS Manual.

Admin Notes. Hours are not utilized in the header information for each of the blocks of training provided by MCCES. Aviation Communication Systems Technician Course (CID: M09E2Z1), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRM-1120                    \*            B    E    G

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Goal. Describe functions of the Marine Air Command and Control System (MACCS).

Requirement. Given the references:

1. Describe the purpose of a MACCS.
2. Describe the organization of a MACCS.
3. Describe the mission of the units comprising a MACCS.
4. Describe the function(s) of each agency comprising the MACCS.
5. Describe the six functions of Marine Aviation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Aviation Operations MCWP 3-2
2. Control of Aircraft and Missiles MCWP 3-25
3. Marine Air Command and Control System Handbook MCWP 3-25.3

#### 4.10 CORE SKILL TRAINING (2000)

4.10.1 Purpose. To develop core skill proficiency for 5939 personnel to be able to perform duties while assigned to the communications section.

(1) Basic Technicians will gain core skill proficiency in basic radio operations and maintenance, communications systems operations and maintenance.

(2) Advance Technicians will gain core skill proficiency in advanced radio operations and maintenance, communications systems operations and maintenance, and SATCOM operations.

(3) Crew Chiefs will gain core skill proficiency in managing crew level communications operations to include radio operations, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training will provide the crew chief the skills necessary to run a communications crew

(4) Maintenance Chiefs will gain core skill proficiency in supervising and managing maintenance section operations to include radio operations and maintenance, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training

will provide the maintenance chief the necessary skills to run a communications section.

4.10.2 General.

4.10.2.1 Prerequisite.

(1) Aviation Communications Systems Basic Technician (ACSBT). Core Skill Introduction training must be completed prior to beginning ACSBT training.

(2) Aviation Communications Systems Advance Technician (ACSAT). Must be qualified as an ACSBT prior to beginning ACSAT training.

(3) Aviation Communications Systems Crew Chief (ACSCC). Must be qualified as an ACSAT prior to beginning ASCC training.

(4) Aviation Communications Systems Maintenance Chief (ACSMC). Must be qualified as an ACSAT prior to beginning ACSMC training.

4.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

4.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
4.10.3	MACCS MAINTENANCE COMMON (CMN)
4.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
4.10.5	COMMUNICATION SECURITY (COMSEC)
4.10.6	FAMILIARIZATION (FAM)
4.10.7	COLLATERAL DUTY (CD)
4.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
4.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
4.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
4.10.11	EQUIPMENT (EQUIP)
4.10.12	MAINTENANCE MANAGEMENT (MMGT)
4.10.13	OPERATIONAL MANAGEMENT (OMGT)

4.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

4.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSS within the MACCS.

4.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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CMN-2150    2.0    \*    B    L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable components.
4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150\_
2. MCO P4790.2\_
3. Applicable equipment SL-3 or TM

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CMN-2151    1.5    \*    B    L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.



3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/\_
2. NAVMC 10561
3. MCO P4790.2\_
4. Applicable technical manuals
5. UM 4400.125 (Draft)

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CMN-2152    2.0    \*    B    L

Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Submit to the evaluator a correctly formatted PQDR IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Unit MMSOP
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>.

6. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/online\\_train.htm](https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm)

CMN-2153 3.0 \* B Grnd Rod Kit/MK-2551A/U L

Goal. Demonstrate an earth ground installation.

Requirement. Given the references, grounding kit and PPE, perform the following:

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:
  - a. Grounding rod.
  - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

CMN-2154 2.0 \* B,R L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

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CMN-2155    1.0    \*    B    L

Goal. Describe T/E shelters.

Requirement. Given references and T/E shelters:

1. Identify the function of each.
2. Identify SL-3 components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Shelter Technical Manuals

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CMN-2156    2.0    \*    B    Shelter    L

Goal. Emplace shelter.

Requirement. As a part of a crew, given a site diagram, Heavy Equipment, and a shelter, complete the following:

1. Place shelter according to site diagram.
2. Level shelter as required.

Performance Standard. Shelter is emplaced and leveled per the site diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2157    2.0    \*    B    Shelter    L

Goal. Cable shelter for power.

Requirement. As a part of a crew, given references, cables, shelter, and grounding kit, complete the following steps:

1. Ground Shelter.
2. Connect Power Cable.
3. Energize specified section.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2158    1.0    \*    B    Tool box    L

Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.

7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2\_
3. MCO p4400.150\_
4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159    1.0    \*    B,R    \_\_\_\_\_    GCSS    L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard. With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1\_
3. MCO P4790.2\_
4. MCBUL 3000
5. MCO P4400.16\_
6. Unit Maintenance Administration SOP

4.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

4.10.4.1 Purpose. To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

4.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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TMDE-2171    2.0    \*    B,R    Oscilloscope    L

Goal. Utilize an oscilloscope.

Requirement. Given the references, an oscilloscope and a signal generator:

1. State the purpose of an oscilloscope.
2. Verify calibration is current.
3. Measure a signal.
4. Report the results.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2172

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11277A-OI/1 OSCILLOSCOPE TDS 5054B-NV-AVTM 11277A-ID/2 OSCILLOSCOPE TDS 5054B-NV-AV

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TMDE-2172    2.0    \*    B,R    Signal generator    L

Goal. Demonstrate the use of a signal generator.

Requirement. Given a signal generator demonstrate the following:

1. Verify current calibration.
2. Configure signal generator for output.

3. Verify output.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable signal generator manual and equipment TM

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TMDE-2173    2.0    \*    B,R    R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

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TMDE-2175    1.0    \*    B,R    Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.

2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

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TMDE-2176 1.0 \* B,R Spectrum Analyzer L

Goal. Measure an RF signal with a spectrum analyzer.

Requirement. Given a spectrum analyzer and applicable reference, complete the following:

1. State the purpose of a spectrum analyzer.
2. Verify current calibration.
3. Set reference level.
4. Measure a signal.
5. Center the signal within the display.
6. Maximize the frequency span to best display the signal.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Spectrum analyzer user's manual

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TMDE-2177 1.0 \* B,R Wattmeter L



Goal. Utilize a wattmeter.

Requirement. Given the reference, a watt meter, VSWR chart, a radio and required antenna or dummy load:

1. State the purpose of the watt meter.
2. Verify calibration is current.
3. Select appropriate configuration.
4. Measure forward power.
5. Measure reflected power.
6. Calculate voltage standing wave ratio (VSWR).

Performance Standard. With the aid of reference, utilize a watt meter by demonstrating the requirement without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09916A-14&P/1 - Test Set, Radio Frequency Model 4410-030

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TMDE-2178 1.0 \* B,R OTDR L

Goal. Utilize an Optical Time Domain Reflectometer (OTDR).

Requirement. Given the reference, an OTDR and a fiber optical cable:

1. State the purpose of an OTDR.
2. Verify calibration is current.
3. Determine the length of the fiber cable using the OTDR.
4. Determine the amount of signal loss (dB) using the OTDR.

Performance Standard. With the aid of reference, utilize an Optical Time Domain Reflectometer by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable OTDR Manual

TMDE-2179 1.0 \* B,R Radio Test Set L

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Goal. Utilize a radio test set.

Requirement. Given a radio, one radio test set, and applicable references, perform the following:

1. State the purpose of a radio test set.
2. Verify calibration is current.
3. Configure signal generator as required.
4. Configure Receiver as required.
5. Determine frequency accuracy of transmitted frequency.
6. Determine power out of a given transmitter.

Performance Standard. With the aid of reference, utilize a radio test set by using any unit organic radio to demonstrate requirement items without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09311A-15/\_ Communications Service Monitor TS-4317 Operations Manual
2. Applicable radio TMs

#### 4.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

4.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

#### 4.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

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Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2192 2.0 365 B, R, M \_\_\_\_\_ L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2193 2.0 365 B, R, M \_\_\_\_\_ L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B,R L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.

7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

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COMSEC-2196 2.0 \* B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

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COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

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COMSEC-2198 1.0 \* B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

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COMSEC-2199 2.0 365 B, R, M L

Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

#### 4.10.6 FAMILIARIZATION (FAM) STAGE

4.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

4.10.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

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FAM-2211    3.0    \*    B    L

Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level



(correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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FAM-2213      3.0      \*      B      L

Goal. Define Tactical Data Links characteristics.

Requirement. Given the references, perform the following:

1. State the capability of Link 11.
2. State the capability of Link 11B.
3. State the capability of Link 16.
  - a. JREAP A.
  - b. JREAP B.
  - a. JREAP C.
4. State the capability of Army Tactical Data Link-1 (ATDL).
5. State the capability of NATO Link 1.
6. State the capability of Intelligence Broadcast System (IBS).
7. State the capability of Common Operational Picture (COP) Synch Tool (CST).
8. State the capability of Ground Based Data Link Enhanced (GBDLE).
9. List the types of units that utilize each link.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSI 6610.01D, Joint Multi-TADIL Operating Procedures
2. MIL-STD-6011, Link-11/11B
3. MIL-STD-6016, Link-16
4. STANAG 4175, Link 16 terminal (MIDS)

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FAM-2214    1.0    \*    B    L

Goal. Describe MTAOM equipment.

Requirement. Given the references:

1. Describe the purpose of the System Level Equipment.
2. Describe the purpose of the Digital communications Equipment.
3. Describe the Purpose of the Voice Communications Equipment.
4. Describe the Purpose of the Data Processing Equipment.
5. Describe the Purpose of the Internal Radio Equipment.
6. Describe the Purpose of the Operator interface Equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI MTAOM Operations and Organizational Maintenance Manual

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FAM-2215    1.0    \*    B    L

Goal. Describe Commanders Tactical Terminal (CTT) equipment.

Requirement. Given the reference:

1. Describe the purpose of the CTT antenna equipment.
2. Describe the purpose of the CTT Host.
3. Describe the purpose of the CTT radio.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10389-12 CTT Operators & Unit Maintenance Manual
2. TM 10389-30 CTT Direct Support Maintenance Manual

FAM-2216    2.0    \*    B    \_\_\_\_\_    L

Goal. Identify the Intelligence Operations Workstation (IOW).

Requirement. Given the references and an IOW:

1. Describe the purpose of the IOW.
2. Describe the function of the IOW.
3. Describe software on the IOW.
4. Describe hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. IOS/IOW User's Manual

2. SL-3-10848D
3. MarineNet - C2PC Course Code C2P001

FAM-2218 1.0 \* B L

Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

1. TBMCS.
2. AFATDS.
3. C2PC.
4. JADOCs.
5. Transverse (chat program).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

FAM-2219 1.0 \* B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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FAM-2220      1.0      \*      B      L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

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FAM-2221      1.0      \*      B      L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.

2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

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FAM-2222    1.0    \*    B    L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 \* B L

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Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143
4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

#### 4.10.7 COLLATERAL DUTY (CD) STAGE

4.10.7.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

#### 4.10.7.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230      8.0      \*      B,R      L

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Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
  - a. State the purpose of the TMDE program.
  - b. State the duty responsibilities.
2. Modification CD.
  - a. State the purpose of the modification program.
  - b. State the duty responsibilities.
3. Tool Control CD.
  - a. State the purpose of the tool control program.
  - b. State the duty responsibilities.
4. Publications CD.
  - a. State the purpose of the publications program.
  - b. State the duty responsibilities.
5. Safety CD.
  - a. State the purpose of the safety program.
  - b. State the duty responsibilities.
6. Hazmat CD.
  - a. State the purpose of the HAZMAT program.
  - b. State the duty responsibilities.
7. Embarkation.
  - a. State the purpose of the embarkation program.
  - b. State the duty responsibilities.
8. MIMMS.
  - a. State the purpose of the MIMMS program.
  - b. State the duty responsibilities.
9. Records.
  - a. State the purpose of the records program.
  - b. State the duty responsibilities.
10. Quality Control.
  - a. State the purpose of the quality control program.
  - b. State the duty responsibilities.
11. Training Program
  - a. State the purpose of the Training program.
  - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.



1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2\_
4. TM 4700-15/1\_
5. Applicable CD Desktops
6. MCO 5100.29\_
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231      1.0      \*      B      L

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Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP

CD-2232      2.0      \*      B      L

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Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
  - a. Identified.
  - b. Verified.
  - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

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CD-2233      2.0      \*      B      L

Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
  - a. Inventory schedule.
  - b. Check-in/Check-out.
  - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

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CD-2234      2.0      \*      B      L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

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CD-2235      2.0      \*      B      L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
  - a. Define ESD.
  - b. Setup ESD workstation.
  - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
  - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
  - a. Electrical hazards.
  - b. Eye hazards.
  - c. Hearing hazards.
  - d. RF hazards.
  - e. Fire hazards.
5. Identify HAZMAT procedures.
  - a. State purpose of a Material Safety Data Sheets (MSDS).
  - b. Properly store and label HAZMAT materials.
  - c. Demonstrate proper usage of Personal Protective Equipment

(PPE).

- d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29
2. MCO 4450.12
3. MCO 5100.8
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

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CD-2236      2.0      \*      B      L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
  - a. Chemical identity.
  - b. Manufactures name and contact information.
  - c. Hazardous ingredients/identity information.
  - d. Physical/chemical characteristics.
  - e. Fire and explosion hazard data.
  - f. Reactivity data.
  - g. Health hazard data.
  - h. Precautions for safe handling and use.
  - i. Control measures.
3. State the purpose of the MSDS center.
4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2\_
6. Associated Desktop
7. OSHA 29 CFR refer to  
[http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=standards  
&p\\_id=10099](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099)

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CD-2237      3.0      \*      B      L

Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3\_ Unit Embarkation Handbook
2. MCO P4790.2\_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

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CD-2238      1.0      \*      B      L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM-4700-15/1
3. MCO 5210.11E

CD-2239      2.0      1460      B, R, M      L

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Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
  - a. Ensure equipment is being maintained to equipment standards.
  - b. Ensure quality controls are being adhered to.
  - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
  - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
  - e. Verify the repair process is properly implemented by ensuring that:
    - (1) Proper tools were used.
    - (2) ESD procedures were used.
    - (3) Safety warnings were adhered to.
    - (4) Necessary defective parts were replaced.
    - (5) Correct software was used, as applicable.

- (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.  
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243      2.0      \*      B      L

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Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.
3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2\_
3. NAVMC 3500.14\_
4. MCRP 3-01\_

4.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

4.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

4.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.



External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 \* B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with

80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 \* B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 \* B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 \* B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

4.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

4.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

4.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

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Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

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Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with

80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

4.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)  
STAGE

4.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

4.10.10.2 General

Prerequisite. None



Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

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Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

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Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.

3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 \* B E L

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Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 \* B E L

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Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.

2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 4.10.11 EQUIPMENT (EQUIP) STAGE

4.10.11.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 4.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 \* B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140(V)2.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2381 4.0 \* B L

Goal. Identify the major components of the AN/USQ-140 (V) 2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2384 1.0 \* B L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
3. AN/VRC 110.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V) 4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
5. AN/GRC-256
  - a. Frequency range
  - b. Power output
  - c. Types of antennas.
6. AN/USQ-140(V) 2
  - a. Frequency range
  - b. Power output
  - c. Types of antennas.

Performance Standard. Without the aid of reference, describe HF, VHF, UHF, SATCOM radio characteristics without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V) 4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V) 2 Vehicular Radio Communication System
4. TM-11496A-OI/4 AN/PRC-152 Multiband Handheld Radio System
5. TM 10255A-14/1 Falcon Series Tactical Communications System

EQUIP-2385 1.0 \* B L

Goal. Identify the characteristics of unit T/E communications systems.

Requirement. Identify the following:

1. Radio assets.
  - a. Frequency range.
  - b. Power output.

- c. Types of antennas.
2. Embarkation requirements.
3. Power requirements.
4. Antenna requirements.

Performance Standard. With the aid of reference, pass an exam on the above list with 100% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI VOL1 of 3 REV 1, Mobile Tactical Air Operations Module
2. TM 08565A-14/11, Tactical Air Operations Module
3. TM-11406A-OR/1-1, Composite Tracking Network
4. TM 10200A-OI/1A, Air Defense Communications Platforms
5. TM 11228A-OI/1, AN/GRC-256, HF Radio Set
6. TM 10822A-OR AN/PRC-150, Advanced Tactical HF Radio
7. TM 11255A-OR/1, AN/VRC 103, Vehicular Radio Communications System
8. TM 12041A/12050A-OD/1, Common Aviation Command and Control System
9. TM 09780A-13&P/1, AN/GRC 171, UHF Radio Set

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EQUIP-2386 2.0 \* B L

Goal. Erect T/E antennas.

Requirement. Perform the following:

1. Erect ground antennas.
2. Erect antennas mounted to vehicles/shelters.
3. Erect antennas on antenna masts.

Performance Standard. With the aid of reference, assemble and erect ground based and vehicle mounted antennas without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
2. DRAFT - TM 12041A/15050A-OD/1 CAC2S System Maintenance

EQUIP-2387 2.0 \* B L

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Goal. Install radios in T/E communication systems.

Requirement. With the aid of reference, install each radio into the communication system:

Performance Standard. Properly install the radios IAW references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
2. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
3. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
4. DRAFT - TM 12041A/15050A-OD/1 CAC2S System Maintenance Manual

EQUIP-2388 2.0 \* B L

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Goal. Interface an external radio into T/E communication systems.

Requirement. Given a communication system and a stand-alone radio set, interface an external radio and conduct a communications check.

Performance Standard. With the aid of reference, interface a radio external to the communication system and conduct a communications check. Instructor shall verify the communication check was successful.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
2. DRAFT - TM 12041A/15050A-OD/1 CAC2S System Maintenance Manual

EQUIP-2389 4.0 \* B L

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Goal. Setup the Processing Display System (PDS).

Requirement. Given a site layout and all associated equipment, setup and cable a PDS suite by performing the following steps:

1. Emplace Integrated Table Assembly, User Interface Devices (UID), foot pedals and headsets.
2. Emplace Dual Tent Switch.
3. Interconnect UID's, Integrated Table Assembly, and Dual Tent Switch.
4. Interconnect Dual Tent Switch and Processing Display System - Operations Trailer (PDS-OT).
5. Create Voice Network by interconnecting PDS-OT with the CS utilizing:
  - a. 500M Tactical Fiber Optic Cable Assembly II (TFOCA II).
  - b. 1.5KM TFOCA II.
  - c. Category 5e or Category 6e (preferred for when fiber optic is not available) networking cable.
6. Configure Voice Network with Digital Switching Unit (DSU).
7. Manipulate UID template, Net List and radio settings with DSU.
8. Monitor LAN with Voice System Operator Laptop (VSOL).

Performance Standard. With the aid of reference, complete the requirement items. The Instructor shall observe the trainee conducting the requirement items and verify all functions of DSU and all UIDs are operational and the LAN links are verified on the VSOL.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050A-OD/2 Common Aviation Command and Control System
2. Draft Distributed Scalable Access Net (DSAN) Systems Manual Software Build 5.13

EQUIP-2390 1.0 730 B, R, M L

Goal. Configure MBVR for plain text (PT) operations.

Requirement. Given an AN/VRC-103 and a computer loaded with the Radio Programming Application, perform the following:

1. Identify the characteristics of the AN/VRC-103.
2. Identify the components of the AN/VRC-103.
3. Define the operation of the AN/VRC-103.
4. Identify the procedures to manually program the AN/VRC-103.
5. Program the AN/VRC-103.
6. Identify the procedures to program the AN/VRC-103 using the Radio

Programming application (RPA).

7. Program the AN/VRC-103 using Radio Programming Application (RPA).

8. Conduct a communications check.

Performance Standard. With the aid of reference, complete the requirement items and conduct a communications check using a second radio set. Instructor will verify communications check was successful.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

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EQUIP-2391 1.0 730 B, R, M L

Goal. Configure AN/VRC-104 for plain text (PT) operations.

Requirement. Given an AN/VRC-104 perform the following:

1. Identify the characteristics of the AN/VRC-104.
2. Identify the components of the AN/VRC-104.
3. Identify the operation of the AN/VRC-104.
4. Identify the procedures to manually program the AN/VRC-104.
5. Manually program an AN/VRC-104.
6. Identify the procedures to program the AN/VRC-104 using the Radio Programming Operation (RPA).
7. Program the AN/VRC-104 using Radio Programming Application (RPA).
8. Conduct a communications check.

Performance Standard. Complete the requirement items IAW the reference without error; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

EQUIP-2392 1.0 730 B, R, M L

Goal. Configure the MBVR and the AN/VRC-104 for single channel operations, Cipher Text (CT).

Requirement. Given radios and common fill device with keying material, perform the following:

1. Set correct frequency.
2. Set power out.
3. Set mode of Operation (AM, FM, etc).
4. Load correct fill for the type of radio utilized.
5. Conduct an encrypted communications check.

Performance Standard. With the aid of reference, complete the requirement items and conduct an encrypted communications check. Instructor will verify communications check was successful.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
2. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
3. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

EQUIP-2393 1.0 730 B, R, M L

Goal. Configure the MBVR for SATCOM operation.

Requirement. Given the radios, references, satellite access authorization letter, and common fill device with keying material, perform the following:

1. Configure 5 KHz NB (dedicated) channel.
2. Configure 25 KHz WB (dedicated) channel.
3. Configure DAMA Channel.
4. Configure Integrated Waveform (IW).
4. Load correct fill for type of radio utilized.
5. Setup antenna.
6. Conduct an encrypted radio check.

Performance Standard. With the aid of reference, configure the requirement items and conduct an encrypted communications check.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

EQUIP-2394 1.0 730 B, R, M L

Goal. Configure the MBVR radio for enhanced operation.

Requirement. Given the references, an AN/VRC-103, and common fill device with keying material, a computer loaded with the Radio Programming Application (RPA), perform the following:

1. Configure for frequency hopping.
2. Configure for HAVEQUICK II.

Performance Standard. With the aid of reference, achieve two-way communications with another radio set.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
2. TM 2010-10/A Principle Technical Characteristics of U.S. Marine Corps HAVEQUICK Employment

EQUIP-2395 1.0 730 B, R, M L

Goal. Configure AN/VRC-104 radio for Automatic Link Establishment (ALE).

Requirement. Given an AN/VRC-104, and common fill device with keying material, a computer loaded with the Radio Programming Application (RPA), configure ALE.

Performance Standard. With the aid of reference, achieve two-way communications with another radio set.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-OR AN/PRC-150© Advanced Tactical HF Radio

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EQUIP-2396 4.0 \* B, R L

Goal. Demonstrate field expedient antenna techniques.

Requirement. Given all required materials, construct field expedient antennas using wave propagation techniques by performing the following:

1. Determine frequency.
2. Determine distance and direction of distant station.
3. Determine antenna type and configuration.
4. Erect antenna using recommended construction techniques.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The antenna shall be able to transmit and receive clear voice/data at determined frequency.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3B Radio Operator's Handbook
2. MCRP 3-40.3C Antenna Handbook

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EQUIP-2397 2.0 \* B L

Goal. Perform PMCS on AN/VRC 104.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct PMCS on an AN/VRC-104 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

EQUIP-2398 2.0 \* B L

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Goal. Perform PMCS on MBVR.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct PMCS on an AN/VRC-103 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

EQUIP-2399 2.0 \* B L

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Goal. Perform PMCS on the AN/VRC 110.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct PMCS on the AN/VRC-110 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

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EQUIP-2400 4.0 \* B L

Goal. Perform CM on AN/VRC-104.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/VRC-104 and identify faulty component on the AN/VRC 104 system.
  - a. RF-382A, Coupler.
  - b. RF-5033H-PA, Vehicle Adapter Amplifier (VAA).
  - c. RT-1694D.
  - d. Antenna.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

EQUIP-2401 4.0 \* B L

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Goal. Perform CM on MBVR.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/VRC-103 IAW the reference and identify faulty component on the AN/VRC 103 system.
  - a. AM-7588, Vehicle Adapter Unit (VAU).
  - b. RT-1796D.
  - c. Antenna.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

EQUIP-2402 4.0 \* B L

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Goal. Perform CM on AN/VRC-110.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/VRC-110 IAW the reference and identify faulty component on the AN/VRC 110 system.
  - a. 0N689740-\_\_ (RT).
  - b. RF 300M-HV Vehicle Amplifier Adapter.
  - c. Antenna.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation



requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

EQUIP-2403 4.0 \* B, R L

Goal. Perform CM on the CS system.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the CS and identify faulty systems.
  - a. Power Distribution System.
  - b. LongArm/DSAN.
  - c. Radio Systems.
    - (1) AN/VRC-103.
    - (2) AN/VRC-104.
2. Receive and replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
2. DRAFT - TM 12041A/15050A-OD/1 CAC2S System Maintenance Manual
3. Draft - System User Manual DSAN 5.13
3. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1@Radio Set
4. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

EQUIP-2404 2.0 \* B L

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Goal. Conduct maintenance on the HF data radio set.

Requirement. Given the reference, HF data radio set, cleaning gear and PPE, perform the following:

1. Conduct PMCS.
2. Conduct Corrective maintenance.
3. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Receiver Radio R-2420/URC
2. TYQ-23(V)4 TM 08565A-12/31
3. Exciter Unit TYQ-23 TM 08565A-12/32V1
4. Amplifier TYQ-23(V) TM 08565A-12/33
5. Power Supply TYQ-23(V) TM 08565A-12/34
6. TM-11228A-OI/1 - RT-9000 Operation and Maintenance Manual
7. TM-11228A-OI/2 - LPA-9500 Operation and Maintenance Manual

EQUIP-2405 2.0 \* B L

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Goal. Perform PMCS on AN/GRC-171.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct PMCS on an AN/GRC-171 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09780A-12/2 & TM 09780A-13&P/1 for the GRC-171

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EQUIP-2406 4.0 \* B L

Goal. Perform CM on AN/GRC-171.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on an AN/GRC-171 IAW the reference and identify faulty component on the AN/GRC-171 system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09780A-12/2 & TM 09780A-13&P/1 for the GRC-171

#### 4.10.12 MAINTENANCE MANAGEMENT (MMGT) STAGE

4.10.12.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

#### 4.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2600 3.0 \* B L

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Goal. Ensure preparatory measures are taken for disposition of equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-2601 1.0 \* B L

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Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700-15/1H
2. MCO P4790.2\_

MMGT-2602 4.0 \* B, R GCSS L

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Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
  - a. Maintenance Production Report (MPR).
  - b. Equipment Status Report (ESR).
  - c. Preventative Maintenance Report.
  - d. Calibrations Report.
  - e. Modification Instruction report.
  - f. Maintenance Management Report (MMR).
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Service Request (SR).
    - (1) Tasks.
    - (2) Notes.
    - (3) Parts Requirements.
  - j. Inspection repair tag (NAVMC 1018).
  - k. Layette bin.
    - (1) Sub-Inventory.
    - (2) Stage.
  - l. Oracle Installed Base.
    - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000
3. MCO P4400.16-
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 \* B L

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Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG

MMGT-2604 2.0 \* B L

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Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

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MMGT-2605    2.0    \*    B    L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

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MMGT-2606    2.0    \*    B    L

Goal. Induct new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material

Fielding Plan (MFP).

2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation IAW the reference.
  - b. Ensure initial SL-3 was performed.
  - c. Ensure an initial LTI was performed.
  - d. Ensure induction of new equipment into calibration cycle as required.
  - e. Ensure equipment is accounted for within EKMS as required.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

MMGT-2607 2.0 \* B L

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Goal. Phase out equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
  - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
  - e. Ensure the record jackets were completed and accompanied equipment.
  - f. Ensure the equipment and proper documentation was sent to



Supply for turn-in.

g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82

MMGT-2608 16.0 \* B, R L

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Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting functional areas.

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist

2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-2609 2.0 \* B L

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Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1
2. Unit TO&E

MMGT-2610 2.0 \* B L

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Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Complete an Urgent UNS form.
5. Complete a deliberate UNS form.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17\_

MMGT-2611 40.0 \* B L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. CMR
3. MMO SOP

MMGT-2612 1.5 \* B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
  - a. Item on-hand availability status.
  - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P4790.2\_

MMGT-2613 13.0 \* B \_\_\_\_\_ L

Goal. Identify the functions of maintenance management.

Requirement. With the aid of reference, perform the following:

1. Identify the references associated with the MIMMS.
2. Identify the objectives of MIMMS.
3. Identify equipment maintenance management procedures.
4. Identify the responsibilities of maintenance management personnel.
5. Identify the information contained in the Table of Organization and Equipment (T/O&E).
6. Identify the steps to submit a T/O&E change request.
7. Identify the purpose of supply reports used in Maintenance Management.
8. Identify the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Identify the purpose of maintenance support programs.
10. Identify that describes Repairable Issue Point (RIP) procedures.
11. Identify the RIP customer re-computation procedures.
12. Identify the steps in the Recoverable Item Report (WIR) procedures.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2602, 2603, 2609, 2611

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCO P4790.1\_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16\_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1\_
10. Unit TO&E
11. MCO P4400.150\_
12. CMR
13. MMO SOP
14. MCO 4400.151\_

MMGT-2614 1.0 \* B L

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Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1\_
2. MCO P4790.2\_
3. MCO P4400.16\_
4. Unit SOP
5. UM 4400-125 (draft)

4.10.13 OPERATIONAL MANAGEMENT (OMGT) STAGE

4.10.13.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

4.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2680 2.0 \* B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.
5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.
7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2682 4.0 1460 B, R, M L

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Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
  - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordinance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.

5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V) 4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 \* B L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.



5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

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OMGT-2684 3.0 \* B L

Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario, perform the following:

1. Determine supply needs with consideration of the following:
  - a. Location.
  - b. Equipment.
  - c. Daily operations.
  - d. Climate.
2. Identify SECREP requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2691

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

OMGT-2685 1.0 \* B L

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Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario, perform the following:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2686 8.0 1460 B, R, M L

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Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

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OMGT-2687 8.0 \* B L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP
3. Applicable TM

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OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

Requirement. Given a scenario and references, perform the following:

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 \* B \_\_\_\_\_ L

Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Record frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Record Satellite Access requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 \* B \_\_\_\_\_ L

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

Performance Standard. With the aid of reference, submit a completed LSR to the instructor. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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OMGT-2691    2.0    \*    B    L

Goal. Submit a Bill of Material (BOM) request.

Requirement. Given a deployment scenario and references, perform the following:

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.
5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

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OMGT-2692    1.0    \*    B    L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

OMGT-2694 2.0 \* B, R L

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Goal. Draw a site diagram for the TAOC.

Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

4.11 MISSION SKILL TRAINING (3000)

4.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

4.11.2 General.

4.11.2.1 Prerequisite.

4.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

4.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
4.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
4.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
4.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
4.11.6	EQUIPMENT (EQUIP)

4.11.7	MAINTENANCE MANAGEMENT (MMGT)
4.11.8	OPERATIONAL MANAGEMENT (OMGT)
4.11.9	MARINE AIR CONTROL GROUP (MACG)

4.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

4.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

4.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 4.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
4. Printers.
5. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 4.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.



3. Mobile Devices.
4. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 4.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

4.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 4.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 4.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-005.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
4. Network Management.
5. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

4.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

4.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

4.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 4.0 1095 B, R, M E L

Goal. Explain concepts included in Security+ exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
4. Cryptography.
5. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

4.11.6 EQUIPMENT (EQUIP) STAGE

4.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

4.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3470 4.0 730 B, R, M L

Goal. Set-up the CS.

Requirement. Given required communications system(s) and a core capable crew, perform the following:

1. Emplace the communications system(s).
2. Safely ground equipment.
3. Test the grounds.
4. Erect and cable antennas.
5. Ensure power is connected to the shelter.
6. Apply power.
  - a. Verify inputs and phases.
  - b. Hook up NATO slave cable.
  - c. Power up shelter and all ancillary equipment in proper sequence.
7. Configure communication nets.
8. Perform system check.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Utilities mechanic to properly connect and power up required generator.

Reference.

1. TM 12041A/15050A-OD/2 CAC2S System User Manual
2. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
3. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System
5. Distributed Scalable Access Net (DSAN) Systems Manual Software Build 5.13
6. TM 9406-15 Grounding Procedures
7. MCRP 3-40.3B Radio Operator's Handbook

EQUIP-3471 6.0 730 B, R, M L

Goal. Troubleshoot faulty system component in a CS.

Requirement. With the aid of references and a faulty CS, perform the following:

1. Identify faulty component.
2. Open service request.
3. Receive and install component.
4. Perform communications check to verify systems return to operational status.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. MCBUL 3000
4. Associated equipment TM

#### 4.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

4.11.7.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

4.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660    2.0    \*    B    \_\_\_\_\_    L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B, R, M L

---

Goal. Validate SECREP assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

MMGT-3662 2.0 \* B L

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Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

#### 4.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

4.11.8.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 4.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B, R, M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 \* B L

Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
  - Tactical licenses.
  - Active clearance.
  - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3712 1.0 \* B L

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Goal. Verify communications with external agencies.

Requirement. With the aid of reference and an operational system, verify communications with external agencies by performing the following:

1. Analyze guard chart.
2. Confirm radio assignment based on NET priority.
3. Verify radio checks are conducted IAW NET priority.
4. Pass control of operational NETs to operations crew.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. DASC CC, External agencies with radio assets to participate in training

Reference.

1. MCWP 3-25.5
2. ACEOI

OMGT-3713 8.0 1095 B, R, M MTAOM or CAC2S L

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Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.



2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

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OMGT-3714 8.0 \* B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

---

OMGT-3715 8.0 \* B L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

#### 4.11.9 MARINE AIR CONTROL GROUP (MACG) STAGE

4.11.9.1 Purpose. To teach the trainee common communication and data flow within the MACG.

#### 4.11.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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MACG-3750 1.0 \* B L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3751 1.0 \* B L

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Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3752 1.0 \* B L

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Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3753 1.0 \* B L

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Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit

4. MCBUL 3000

MACG-3754 1.0 \* B L

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Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3755 1.0 \* B L

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Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4

3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3756 2.0 1095 B, R, M \_\_\_\_\_ L

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 3750, 3751, 3752, 3753, 3754, 3755

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCWP 3-2
- 2.MCWP 3-25.4

#### 4.12 CORE PLUS TRAINING (4000)

4.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

#### 4.12.2 General.

4.12.2.1 Prerequisiste. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

4.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

(1) Training in this phase does not preclude simultaneous training in the Mission Skill and Core Skill Advanced phases.

(2) Individual Core Skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crewmember assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

4.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

PAR NO.	STAGE NAME
4.12.3	EQUIPMENT (EQUIP)

4.12.3 EQUIPMENT (EQUIP) STAGE

4.12.3.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

4.12.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-4111                           \*           B   E   G

Goal. Perform operator/crew maintenance on the Composite Tracking Network (CTN).

Requirement. Given the references:

- 1. Describe CTN Components.
- 2. Maintain CTN equipment.
- 3. Configure CTN software.

Performance Standard. Pass an exam.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000,

8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-OI AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual for the Command System Tactical, AN/MSQ-143
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

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EQUIP-4114                      \*                      B    E    G

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Goal. Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.

Requirement. Given the references:

1. Power on the CTN equipment.
2. Perform CTN net entry procedures.
3. Perform equipment fault checks.
4. Shutdown the CTN equipment.

Performance Standard. Pass an exam.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-O AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual



for the Command System Tactical, AN/MSQ-143  
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

EQUIP-4426 6.0 730 B, R, M L

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Goal. Set-up the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the reference, complete the following steps:

1. Unpack CTN.
2. Ground CTN and generator.
3. Connect power cables. .
4. Employ generator.
5. Erect antennas and connect RF cables.
6. Connect fiber optic cables.
7. Energize the system.
8. Configure CTN for operations.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-4427 6.0 730 B, R, M L

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Goal. Tear-down the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the reference, complete the following steps:

1. Shutdown CTN.
2. Remove and store classified hardware.
3. Remove Grounding cables/braids.
4. Disconnect Air Conditioners.
5. Disconnect power cables. .

6. Take down antennas and disconnect RF cables.
7. Disconnect fiber optic cables.
8. pack-up CTN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-4466 6.0 \* B L

Goal. Perform maintenance within the CTN.

Requirement. Given the references, one CTN, appropriate tools, and proper TMDE, isolate and repair one fault for each of the equipment groups listed below within the CTN:

1. Sensor Fusion Subsystem,.
2. Communications Subsystem,.
3. Power Subsystem.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CTN manual

4.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

4.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

4.13.2 General.

4.13.2.1 Prerequisiste. None

4.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient.
SI	Core Skill, Mission Skill, and Core Plus events in which current and proficient.

4.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
4.13.3	INSTRUCTOR UNDER TRAINING (IUT)

4.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

4.13.3.1 Purpose. To train Aviation Communication System Technicians in the

fundamentals of instructing and training processes.

4.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

4.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

4.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

4.14.2 General.

4.14.2.1 Prerequisiste. None

4.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

4.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
4.14.3	QUALIFICATION (QUAL)

4.14.4	CERTIFICATIONS (CERT)
4.14.5	DESIGNATION (DESG)
4.14.6	SCHOOL CODES (SCHL)

4.14.3 QUALIFICATIONS (QUAL) STAGE

4.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

4.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6100 0.5 \* B L

Goal. Qualification as an Aviation Communications Systems Basic Technician (ACSBT).

Requirement. Complete required Aviation Communication Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6101 0.5 \* B L

Goal. Qualification as an Aviation Communications Systems Advanced Technician (ACSAT).

Requirement. Complete required Aviation Communications Systems

Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

#### 4.14.4 CERTIFICATIONS (CERT) STAGE

4.14.4.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 4.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 4.0 \* B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

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CERT-6201 4.0 \* B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

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CERT-6202 4.0 \* B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.

4.14.5 DESIGNATIONS (DESG) STAGE

4.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

4.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

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DESG-6301 1.0 \* B L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2694, 3470, 3471, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.



1. Unit TO/E

DESG-6302 1.0 \* B L

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Goal. Designation as a Tactical Data Systems Maintenance Chief (ACSMC).

Requirement. Complete required Tactical Data Systems Maintenance Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2694, 3470, 3471, 3660, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 \* B L

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Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 5000, 5010, 5020, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

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DESG-6321 1.0 \* B L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

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DESG-6340 1.0 \* B L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6341 1.0 \* B L

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Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 \* B L

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Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6343 1.0 \* B L

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Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6344 1.0 \* B L

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Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6345 1.0 \* B L

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Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

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DESG-6346 1.0 \* B L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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DESG-6347 1.0 \* B L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

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DESG-6348 1.0 \* B L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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DESG-6349 1.0 \* B L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

#### 4.14.6 SCHOOL CODES (SCHL) STAGE

4.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5939 in the skill progression of the Marine.

#### 4.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A

#### 4.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

4.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

#### 4.15.2 General

4.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

4.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

4.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME

4.15.3	CONDITION (COND)
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4.15.3 CONDITION (COND) STAGE

4.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

4.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.



Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
4. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

4.16 AVIATION CAREER PROGRESSION MODEL (8000).

4.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

4.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE

ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	<b>MAGTF</b>		1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	4000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	4000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	4000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

4.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5939											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-

Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152						-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173		-
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154						-	-
Describe T/E shelters.	CMN	2155	*	CMN	2155						-	-
Emplace shelter.	CMN	2156	*	CMN	2156					2155		-
Cable shelter for power.	CMN	2157	*	CMN	2157					2156		-
Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151		-
Initiate a service request.	CMN	2159	*	CMN	2159						-	-
Utilize an oscilloscope.	TMDE	2171	*	TMDE	2171					2172		-
Demonstrate the use of a signal generator.	TMDE	2172	*	TMDE	2172						-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173						-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175						-	-
Measure an RF signal with a spectrum analyzer.	TMDE	2176	*	TMDE	2176						-	-
Utilize a wattmeter.	TMDE	2177	*	TMDE	2177						-	-
Utilize an Optical Time Domain Reflectometer (OTDR).	TMDE	2178	*	TMDE	2178						-	-
Utilize a radio test set.	TMDE	2179	*	TMDE	2179						-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190		-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191		-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191		-

Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194					2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
State the purpose of Automated Data Processing Equipment (ADPE).	FAM	2211	*	FAM	2211					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Define Tactical Data Links characteristics.	FAM	2213	*	FAM	2213					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

Describe MTAOM equipment.	FAM	2214	*	FAM	2214				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Describe Commanders Tactical Terminal (CTT) equipment.	FAM	2215	*	FAM	2215				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify the Intelligence Operations Workstation (IOW).	FAM	2216	*	FAM	2216				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Describe C2 Applications.	FAM	2218	*	FAM	2218				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

Familiarization with LRR equipment.	FAM	2219	*	FAM	2219				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Familiarization with MRR equipment.	FAM	2220	*	FAM	2220				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*	FAM	2221				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Describe TACLAN.	FAM	2222	*	FAM	2222				2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230					-	-
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-
Manage the Tool Control Program.	CD	2233	*	CD	2233					2230	-
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-



Perform Quality Control Procedures.	CD	2239	1460	CD	2239	CD	2239	CD	2239	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-

Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-
Explain access control and identity management.	IAWFST	2268	*	IAWFST	2268					-	-
Explain application, data and host security.	IAWFST	2269	*	IAWFST	2269					-	-
Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2380	*	EQUIP	2380					-	-
Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2381	*	EQUIP	2381					-	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	EQUIP	2384	*	EQUIP	2384					-	-
Identify the characteristics of unit T/E communications systems.	EQUIP	2385	*	EQUIP	2385					-	-
Erect T/E antennas.	EQUIP	2386	*	EQUIP	2386					-	-
Install radios in T/E communication systems.	EQUIP	2387	*	EQUIP	2387					-	-

Interface an external radio into T/E communication systems.	EQUIP	2388	*	EQUIP	2388						-	-
Setup the Processing Display System (PDS).	EQUIP	2389	*	EQUIP	2389						-	-
Configure MBVR for plain text (PT) operations.	EQUIP	2390	730	EQUIP	2390	EQUIP	2390	EQUIP	2390		-	-
Configure AN/VRC-104 for plain text (PT) operations.	EQUIP	2391	730	EQUIP	2391	EQUIP	2391	EQUIP	2391		-	-
Configure the MBVR and the AN/VRC-104 for single channel operations, Cipher Text (CT).	EQUIP	2392	730	EQUIP	2392	EQUIP	2392	EQUIP	2392		-	-
Configure the MBVR for SATCOM operation.	EQUIP	2393	730	EQUIP	2393	EQUIP	2393	EQUIP	2393		-	-
Configure the MBVR radio for enhanced operation.	EQUIP	2394	730	EQUIP	2394	EQUIP	2394	EQUIP	2394		-	-
Configure AN/VRC-104 radio for Automatic Link Establishment (ALE).	EQUIP	2395	730	EQUIP	2395	EQUIP	2395	EQUIP	2395		-	-
Demonstrate field expedient antenna techniques.	EQUIP	2396	*	EQUIP	2396						-	-
Perform PMCS on AN/VRC 104.	EQUIP	2397	*	EQUIP	2397						-	-
Perform PMCS on MBVR.	EQUIP	2398	*	EQUIP	2398						-	-
Perform PMCS on the AN/VRC 110.	EQUIP	2399	*	EQUIP	2399						-	-
Perform CM on AN/VRC-104.	EQUIP	2400	*	EQUIP	2400						-	-
Perform CM on MBVR.	EQUIP	2401	*	EQUIP	2401						-	-
Perform CM on AN/VRC-110.	EQUIP	2402	*	EQUIP	2402						-	-
Perform CM on the CS system.	EQUIP	2403	*	EQUIP	2403						-	-

Conduct maintenance on the HF data radio set.	EQUIP	2404	*	EQUIP	2404					-	-
Perform PMCS on AN/GRC-171.	EQUIP	2405	*	EQUIP	2405					-	-
Perform CM on AN/GRC-171.	EQUIP	2406	*	EQUIP	2406					-	-
Ensure preparatory measures are taken for disposition of equipment.	MMGT	2600	*	MMGT	2600					2150	-
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151	-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602					2159	-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603					-	-
Define RA with regards to O&M funds.	MMGT	2604	*	MMGT	2604					-	-
Define PE with regards to O&M funds.	MMGT	2605	*	MMGT	2605					-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238	-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150	-
Inspect maintenance functional areas.	MMGT	2608	*	MMGT	2608					2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2609	*	MMGT	2609					-	-
Identify the Marine Corps Urgent Needs Process (MCUNP).	MMGT	2610	*	MMGT	2610					-	-

Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2611	*	MMGT	2611						-	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612						2150, 2159	-
Identify the functions of maintenance management.	MMGT	2613	*	MMGT	2613						2602, 2603, 2609, 2611	-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614						2159	-
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680						-	-
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681		-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682		-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683						-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684						2691	-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685						2687	-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686		-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687						-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688		-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689						-	-

Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690					-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691					-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692					-	-
Draw a site diagram for the TAOC.	OMGT	2694	*	OMGT	2694					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IAWFAT	3280	1095	IAWFAT	3280	IAWFAT	3280	IAWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IAWFAT	3281	1095	IAWFAT	3281	IAWFAT	3281	IAWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IAWFNT	3282	1095	IAWFNT	3282	IAWFNT	3282	IAWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IAWFST	3283	1095	IAWFST	3283	IAWFST	3283	IAWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Set-up the CS.	EQUIP	3470	730	EQUIP	3470	EQUIP	3470	EQUIP	3470	-	-
Troubleshoot faulty system component in a CS.	EQUIP	3471	730	EQUIP	3471	EQUIP	3471	EQUIP	3471	-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Assess maintenance funding requirements.	MMGT	3662	*	MMGT	3662					-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-

Verify communications with external agencies.	OMGT	3712	*	OMGT	3712					-	-
Deploy a communications system ISO operations.	OMGT	3713	1095	OMGT	3713	OMGT	3713	OMGT	3713	-	-
Deploy a maintenance capability.	OMGT	3714	*	OMGT	3714					-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
Identify TACC Communications information exchange requirements.	MACG	3750	1095	MACG	3750	MACG	3750	MACG	3750	-	-
Identify TAOC and EW/C communications information exchange requirements.	MACG	3751	1095	MACG	3751	MACG	3751	MACG	3751	-	-
Identify DASC communications information exchange requirements.	MACG	3752	1095	MACG	3752	MACG	3752	MACG	3752	-	-
Identify UAS Communications information exchange requirements.	MACG	3753	1095	MACG	3753	MACG	3753	MACG	3753	-	-
Identify LAAD Communications information exchange requirements.	MACG	3754	1095	MACG	3754	MACG	3754	MACG	3754	-	-
Identify MATC communications information exchange requirements.	MACG	3755	1095	MACG	3755	MACG	3755	MACG	3755	-	-
Draw a Communications Diagram for the agencies within the MACG.	MACG	3756	1095	MACG	3756	MACG	3756	MACG	3756	3750, 3751, 3752, 3753, 3754, 3755	-
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		

Perform operator/crew maintenance on the Composite Tracking Network (CTN)	EQUIP	4111	*	ADST	4111					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation	EQUIP	4114	*	ADST	4114					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Set-up the Composite Tracking Network (CTN)	EQUIP	4426	730	EQUIP	4426	EQUIP	4426	EQUIP	4426	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Tear-down the Composite Tracking Network (CTN)	EQUIP	4427	730	EQUIP	4427	EQUIP	4427	EQUIP	4427	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform maintenance within the CTN	EQUIP	4466	*	EQUIP	4466					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-



4.18 T&R SYLLABUS MATRIX

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)</b>																			
<b>AIR SCHOOLS (AIRS) STAGE</b>																			
AIRS	1030	Maintain the Communication System (CS).	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1031	Maintain voice circuits within the Common Aviation Command and Control System (CAC2S)	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1032	Set-up the Communication System (CS) for operation.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1033	Initialize voice circuits within the Common Aviation Command and Control System (CAC2S).	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1034	Configure the CAC2S voice network.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1035	Maintain the DSAN network.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1036	Configure the Distributed Scalable AccessNet (DSAN).	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1037	Configure AN/VRC-103.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1038	Configure AN/VRC-104.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1039	Maintain the AN/GRC-256.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1040	Maintain the AN/GRC-171B(V)4.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1041	Operate common fill devices.	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1042	Describe the characteristics of antennas used within the Marine Air Command and Control Systems (MACCS).	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1120	Describe functions of the Marine Air Command and Control System (MACCS).	B	E	G	-	-	D	*	0	0	0	0.0	-	-	-	-	-	-
<b>TOTAL AIR SCHOOLS (AIRS) STAGE</b>										14	0	0	0	0	0.0				
<b>TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)</b>										14	0	0	0	0	0.0				

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
<b>MACCS MAINTENANCE COMMON (CMN)</b>																			
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*	0	0	0	0	1.5	-	-	-	-	-
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*	0	0	0	0	3.0	2173	-	-	-	-
CMN	2154	Describe the characteristics of unit T/E generators.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
CMN	2155	Describe T/E shelters.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
CMN	2156	Emplace shelter.	B	-	L	-	-	-	*	0	0	0	0	2.0	2155	-	-	-	-
CMN	2157	Cable shelter for power.	B	-	L	-	-	-	*	0	0	0	0	2.0	2156	-	-	-	-
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151	-	-	-	-
CMN	2159	Initiate a service request.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
<b>TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE</b>										0	0	0	0	10	17.5				
<b>TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)</b>																			
TMDE	2171	Utilize an oscilloscope.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	2172	-	-	-	-
TMDE	2172	Demonstrate the use of a signal generator.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
TMDE	2173	Utilize a Ground Tester.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
TMDE	2175	Utilize a multimeter.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
TMDE	2176	Measure an RF signal with a spectrum analyzer.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
TMDE	2177	Utilize a wattmeter.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
TMDE	2178	Utilize an Optical Time Domain Reflectometer (OTDR).	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
TMDE	2179	Utilize a radio test set.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
<b>TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE</b>										0	0	0	0	8	11.0				
<b>COMMUNICATION SECURITY (COMSEC)</b>																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	-
COMSEC	2191	State the physical security requirements for classified areas.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	-
COMSEC	2192	Create a classified area	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	2191	-	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		physical security diagram.																	
COMSEC	2193	Conduct classified material inventory.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	1.0	2190	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	2191, 2192	-	-	-	
TOTAL COMMUNICATION SECURITY (COMSEC) STAGE										0	0	0	0	10	19.0				
FAMILIARIZATION (FAM)																			
FAM	2211	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
FAM	2213	Define Tactical Data Links characteristics.	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
FAM	2214	Describe MTAOM equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					Type	#	OPTION			#	TIME	#	TIME	#	TIME				
	CODE	TITLE																	
FAM	2215	Describe Commanders Tactical Terminal (CTT) equipment.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2216	Identify the Intelligence Operations Workstation (IOW).	B	-	L	-	-	-	*		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2218	Describe C2 Applications.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL FAMILIARIZATION (FAM) STAGE										0	0	0	0	11	16.0				
COLLATERAL DUTY (CD)																			
CD	2230	State the maintenance Collateral Duties (CD).	B,R	-	L	-	-	-	*		0		0		8.0	-	-	-	
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*		0		0		1.0	2230	-	-	-
CD	2232	Identify the Maintenance Modifications Program.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2233	Manage the Tool Control Program.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*		0		0		3.0	2230	-	-	-
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*		0		0		1.0	2230	-	-	-
CD	2239	Perform Quality Control Procedures.	B,R,M	-	L	-	-	-	1460		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
TOTAL COLLATERAL DUTY (CD) STAGE										0	0	0	0	11	27.0				
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE										0	0	0	0	9	36.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFNT	2260	Explain Network Installation	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		and Configuration.																	
IWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IWFNT) STAGE										0	0	0	0	5	20.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IWFST)																			
IWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IWFST) STAGE										0	0	0	0	6	24.0				
EQUIPMENT (EQUIP)																			
EQUIP	2380	Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2381	Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2384	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
EQUIP	2385	Identify the characteristics of unit T/E communications systems.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
EQUIP	2386	Erect T/E antennas.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2387	Install radios in T/E communication systems.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2388	Interface an external radio into T/E communication systems.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2389	Setup the Processing Display	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME					
		System (PDS).																		
EQUIP	2390	Configure MBVR for plain text (PT) operations.	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2391	Configure AN/VRC-104 for plain text (PT) operations.	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2392	Configure the MBVR and the AN/VRC-104 for single channel operations, Cipher Text (CT).	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2393	Configure the MBVR for SATCOM operation.	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2394	Configure the MBVR radio for enhanced operation.	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2395	Configure AN/VRC-104 radio for Automatic Link Establishment (ALE).	B,R,M	-	L	-	-	-	730	0	0	0	0	1.0	-	-	-	-	-	-
EQUIP	2396	Demonstrate field expedient antenna techniques.	B,R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
EQUIP	2397	Perform PMCS on AN/VRC 104.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-	-
EQUIP	2398	Perform PMCS on MBVR.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-	-
EQUIP	2399	Perform PMCS on the AN/VRC 110.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-	-
EQUIP	2400	Perform CM on AN/VRC-104.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
EQUIP	2401	Perform CM on MBVR.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
EQUIP	2402	Perform CM on AN/VRC-110.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
EQUIP	2403	Perform CM on the CS system.	B,R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
EQUIP	2404	Conduct maintenance on the HF data radio set.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-	-
EQUIP	2405	Perform PMCS on AN/GRC-171.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-	-
EQUIP	2406	Perform CM on AN/GRC-171.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-	-
<b>TOTAL EQUIPMENT (EQUIP) STAGE</b>										<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>60.0</b>					



TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>MAINTENANCE MANAGEMENT (MMGT)</b>																			
MMGT	2600	Ensure preparatory measures are taken for disposition of equipment.	B	-	L	-	-	-	*		0		0		3.0	2150	-	-	-
MMGT	2601	Create a Preventive Maintenance Checks and Services (PMCS) schedule.	B	-	L	-	-	-	*		0		0		1.0	2151	-	-	-
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B,R	-	L	-	-	-	*		0		0		4.0	2159	-	-	-
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2604	Define RA with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2605	Define PE with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*		0		0		2.0	2150, 2159, 2231, 2238	-	-	-
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*		0		0		2.0	2150	-	-	-
MMGT	2608	Inspect maintenance functional areas.	B,R	-	L	-	-	-	*		0		0		16.0	2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238	-	-	-
MMGT	2609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2610	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2611	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*		0		0		40.0	-	-	-	-
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*		0		0		1.5	2150, 2159	-	-	-
MMGT	2613	Identify the functions of maintenance management.	B	-	L	-	-	-	*		0		0		13.0	2602, 2603, 2609, 2611	-	-	-
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*		0		0		1.0	2159	-	-	-
<b>TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE</b>										<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>93.5</b>				

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
<b>OPERATIONAL MANAGEMENT (OMGT)</b>																			
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2681	Determine required equipment to support a mission.	B,R,M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	-
OMGT	2682	Conduct communications portion of a site survey.	B,R,M	-	L	-	-	-	1460	0	0	0	0	4.0	-	-	-	-	-
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*	0	0	0	0	3.0	2691	-	-	-	-
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*	0	0	0	0	1.0	2687	-	-	-	-
OMGT	2686	Write a packing list.	B,R,M	-	L	-	-	-	1460	0	0	0	0	8.0	-	-	-	-	-
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
OMGT	2688	Identify power requirements.	B,R,M	-	L	-	-	-	365	0	0	0	0	4.0	-	-	-	-	-
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2694	Draw a site diagram for the TAOC.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
<b>TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE</b>										0	0	0	0	0	41.0				
<b>TOTAL CORE SKILL PHASE (2000 PHASE)</b>										0	0.0	0	0.0	110	365.0				
<b>MISSION SKILL TRAINING (3000 PHASE EVENTS)</b>																			
<b>INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2250, 2251, 2252, 2253, 2254	-	-	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2255, 2256, 2257, 2258	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>										0	0	0	0	2	8.0				
<b>INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>																			

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME								
IWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																			
IWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	1	4.0				
EQUIPMENT (EQUIP)																			
EQUIP	3470	Set-up the CS.	B,R,M	-	L	-	-	-	730		0		0		4.0	-	-	-	-
EQUIP	3471	Troubleshoot faulty system component in a CS.	B,R,M	-	L	-	-	-	730		0		0		6.0	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	2	10.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
MMGT	3662	Assess maintenance funding requirements.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	3	6.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3712	Verify communications with external agencies.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
OMGT	3713	Deploy a communications system ISO operations.	B,R,M	-	L	-	-	-	1095		0		0		8.0	-	-	-	-
OMGT	3714	Deploy a maintenance capability.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	6	28.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	3750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3752	Identify DASC	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					Type	#	OPTION			#	TIME	#	TIME	#	TIME				
	CODE	TITLE																	
		communications information exchange requirements.																	
MACG	3753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	
MACG	3754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	
MACG	3755	Identify MATC communications information exchange requirements.	B, M	-	L	-	-	-	1095		0		0		1.0	-	-	-	
MACG	3756	Draw a Communications Diagram for the agencies within the MACG.	B, R, M	-	L	-	-	-	1095		0		0		2.0	3750, 3751, 3752, 3753, 3754, 3755	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	5	8.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	20	68.0				
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
EQUIPMENT (EQUIP)																			
EQUIP	4111	Perform operator/crew maintenance on the Composite Tracking Network (CTN)	B	E	G	-	-	-	*				0		0.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
EQUIP	4114	Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation	B	E	G	-	-	-	*				0		0.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
EQUIP	4426	Set-up the Composite Tracking Network (CTN)	B,R,M	-	L	-	-	-	730		0		0		6.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004,	-	-	-

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																8005, 8006, 8007, 8008			
EQUIP	4427	Tear-down the Composite Tracking Network (CTN)	B,R,M	-	L	-	-	-	730	0	0	0	0	6.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
EQUIP	4466	Perform maintenance within the CTN	B	-	L	-	-	-	*	0	0	0	0	6.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	3	18.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										2	0.0	0	0.0	3	18.0				
TOTAL 2000, 3000, AND 4000 PHASE										2	0.0	0	0.0	133	451.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	0	2.0	Recommended by SI or WTI	-	-	-	
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	0	1.0	Recommended by SI or WTI	-	-	-	
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	0	2.0	Recommended by SI or WTI	-	-	-	
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-	
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-	
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-	
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365	0	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-	
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>QUALIFICATIONS (QUAL)</b>																			
QUAL	6100	ACSBT	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2238, 2243, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
QUAL	6101	ACSAT	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2216, 2218, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6100	-	-	-	
<b>TOTAL QUALIFICATIONS STAGE (QUAL)</b>										0	0	0	0	2	1.0				
<b>CERTIFICATION (CERT)</b>																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	L	*	0	0	0	0	4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281		3280, 3281		
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	L	*	0	0	0	0	4	2259, 2260, 2261, 2262, 2263, 3282		3282		
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	L	*	0	0	0	0	4	2264, 2265, 2266, 2267, 2268, 2269, 3283		3283		
<b>TOTAL CERTIFICATION STAGE (CERT)</b>										0	0	0	0	2	12.0				
<b>DESIGNATIONS (DESG)</b>																			

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6301	Designation as a Tactical Data Systems Crew Chief (TDSCC).	B	-	L	-	-	L	*	0	0	1			2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2694, 3470, 3471, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6302	Designation as a Tactical Data Systems Maintenance Chief (ACSMC).	B	-	L	-	-	L	*	0	0	1			2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2694, 3470, 3471, 3660, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-	

TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	L	*	0	0	0	0	1	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 5000, 5010, 5020, 6100, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	L	*	0	0	0	0	1	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2243, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2235, 2236	-	-	-	
DESG	6341	Designation as a Maintenance HAZMAT NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2235, 2236	-	-	-	
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2234	-	-	-	
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2233	-	-	-	
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2231	-	-	-	
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2232, 2234	-	-	-	
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230, 2237	-	-	-	



TAOC MOS 5939 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2159, 2230, 2602	-	-	-	
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2230	-	-	-	
DESG	6349	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	L	*	0	0	0	0	1	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2193, 2194, 2195, 2211, 2213, 2214, 2215, 2216, 2218, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2606, 2614, 2687, 2688, 2690, 2692, 3470, 3471, 3660, 3712, 3715, 6101, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
<b>TOTAL DESIGNATIONS STAGE (DESG)</b>										0	0	0	0	14	14.0				
<b>SCHOOL CODES (SCHL)</b>																			
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
<b>TOTAL SCHOOL CODES STAGE (SCHL)</b>										0	0	0	0	0	0.0				
<b>TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)</b>										0	0.0	0	0.0	18	27.0				

4.19 ADDITIONAL MATRICES. None

4.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

4.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

4.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 5

AVIATION RADAR TECHNICIAN (MOS 5948)/INDIVIDUAL TRAINING AND READINESS  
REQUIREMENTS

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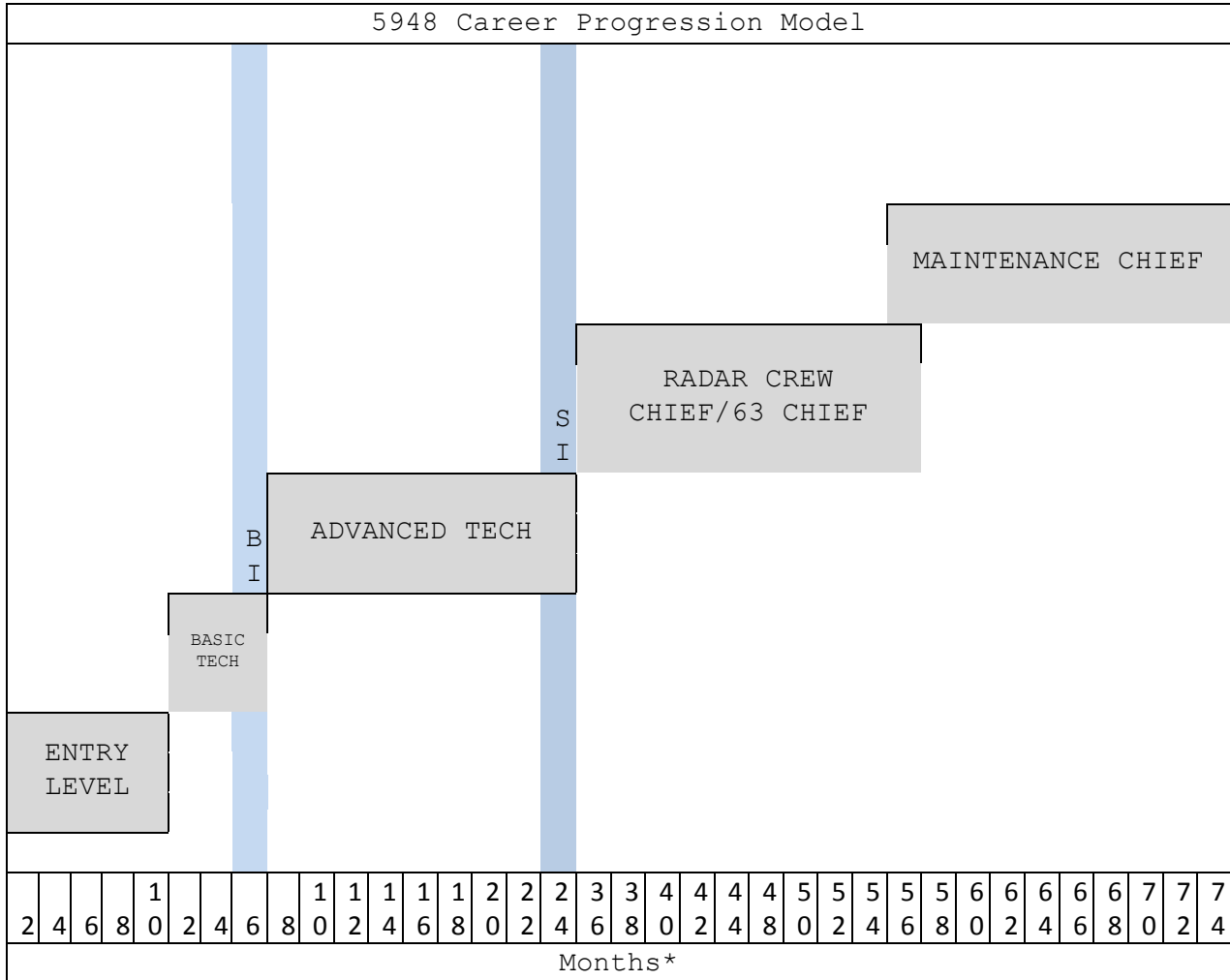
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CHAPTER 4

AVIATION RADAR TECHNICIAN/5948  
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

5.0 AVIATION RADAR TECHNICIAN /5948 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

5.1 5948 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation RADAR Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



\* Months indicated are training months, not calendar months.

5.2 ABBREVIATIONS

<b>TAOC MAINTENANCE MOS 5948</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
<b>CORE SKILL (2000 Phase)</b>	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
IFF	IDENTIFICATION FRIEND OR FOE
LRR	LONG RANGE RADAR
MMGT	MAINTENANCE MANAGEMENT
MRR	MEDIUM RANGE RADAR
OMGT	OPERATIONAL MANAGEMENT
RDR	RADAR
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
<b>MISSION SKILL (3000 Phase)</b>	
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
LRR	LONG RANGE RADAR
MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
MRR	MEDIUM RANGE RADAR
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
<b>CORE PLUS (4000 Phase)</b>	
LRR	LONG RANGE RADAR
MRR	MEDIUM RANGE RADAR
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
ARBT	AVIATION RADAR BASIC TECHNICIAN
ARAT	AVIATION RADAR ADVANCED TECHNICIAN
ARC	AVIATION RADAR CHIEF
ARC63	AVIATION RADAR 63 CHIEF
ARMC	AVIATION RADAR MAINTENANCE CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY
TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

5.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

5.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

5.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

5.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

5.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

5.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills

while maintaining proficiency in other Core/Mission/Core Plus Skills.

5.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5948					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY		REFRESHER POI		MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154R	CMN	2154R		
CMN	2158				
CMN	2159R	CMN	2159R		
TMDE	2170				
TMDE	2171R	TMDE	2171R		
TMDE	2172R	TMDE	2172R		
TMDE	2173R	TMDE	2173R		
TMDE	2174R	TMDE	2174R		
TMDE	2175R	TMDE	2175R		
TMDE	2176R	TMDE	2176R		
COMSEC	2190R	COMSEC	2190R	COMSEC	2190R
COMSEC	2191R	COMSEC	2191R	COMSEC	2191R
COMSEC	2192R	COMSEC	2192R	COMSEC	2192R
COMSEC	2193R	COMSEC	2193R	COMSEC	2193R
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195R	COMSEC	2195R
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199R	COMSEC	2199R	COMSEC	2199R
FAM	2210				
FAM	2211				
FAM	2212				
FAM	2213				
FAM	2214				
FAM	2215				
FAM	2216				
FAM	2217				
FAM	2218				
FAM	2222				
FAM	2223				
CD	2230R	CD	2230R		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				



TAOC MAINTENANCE MOS 5948					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY		REFRESHER POI		MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CD	2236				
CD	2237				
CD	2238				
CD	2240	CD	2240	CD	2240
CD	2243				
IWFAT	2250				
IWFAT	2251				
IWFAT	2252				
IWFAT	2253				
IWFAT	2254				
IWFAT	2255				
IWFAT	2256				
IWFAT	2257				
IWFAT	2258				
IWFNT	2259				
IWFNT	2260				
IWFNT	2261				
IWFNT	2262				
IWFNT	2263				
IWFST	2264				
IWFST	2265				
IWFST	2266				
IWFST	2267				
IWFST	2268				
IWFST	2269				
IFF	2350				
IFF	2351R	IFF	2351R		
IFF	2352				
IFF	2353R	IFF	2353R		
IFF	2354R	IFF	2354R		
RDR	2360				
RDR	2361	RDR	2361	RDR	2361
RDR	2362	RDR	2362	RDR	2362
RDR	2363	RDR	2363	RDR	2363
RDR	2364				
RDR	2365				
RDR	2366				
RDR	2367				
RDR	2368				
LRR	2480				
LRR	2481				
LRR	2482	LRR	2482	LRR	2482
LRR	2483	LRR	2483	LRR	2483
LRR	2484	LRR	2484	LRR	2484
LRR	2485				
LRR	2486				
LRR	2487	LRR	2487	LRR	2487
LRR	2488	LRR	2488	LRR	2488
LRR	2489				
LRR	2490				
LRR	2491				
LRR	2492				
LRR	2493				
LRR	2494				
LRR	2495				
LRR	2496				
LRR	2497				

TAOC MAINTENANCE MOS 5948					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY		REFRESHER POI		MAINTAIN PROFICIENCY	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
LRR	2498				
LRR	2499				
LRR	2500				
LRR	2501				
LRR	2502				
LRR	2503	LRR	2503	LRR	2503
LRR	2504				
LRR	2505				
LRR	2506				
LRR	2507				
LRR	2508	LRR	2508	LRR	2508
LRR	2509				
LRR	2510				
LRR	2511				
LRR	2512	LRR	2512	LRR	2512
LRR	2513	LRR	2513	LRR	2513
MRR	2540				
MRR	2541	MRR	2541	MRR	2541
MRR	2542				
MRR	2543				
MRR	2544	MRR	2544		
MRR	2545	MRR	2545	MRR	2545
MRR	2546	MRR	2546	MRR	2546
MRR	2547	MRR	2547	MRR	2547
MRR	2548				
MRR	2549	MRR	2549	MRR	2549
MRR	2550				
MRR	2551				
MRR	2552				
MRR	2553				
MRR	2554				
MRR	2555				
MRR	2556				
MRR	2557				
MRR	2558				
MRR	2559				
MRR	2560				
MRR	2561				
MRR	2562				
MRR	2563				
MRR	2564R	MRR	2564R		
MRR	2565R	MRR	2565R		
MRR	2566				
MRR	2567				
MRR	2568				
MRR	2569				
MMGT	2600				
MMGT	2601				
MMGT	2602R	MMGT	2602R		
MMGT	2603				
MMGT	2604				
MMGT	2605				
MMGT	2606				
MMGT	2607				
MMGT	2608R	MMGT	2608R		
MMGT	2609				
MMGT	2610				
MMGT	2611				

TAOC MAINTENANCE MOS 5948					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY			MAINTAIN		
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
MMGT	2612				
MMGT	2613				
MMGT	2614				
OMGT	2680				
OMGT	2681	OMGT	2681	OMGT	2681
OMGT	2682	OMGT	2682	OMGT	2682
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686	OMGT	2686	OMGT	2686
OMGT	2687				
OMGT	2688	OMGT	2688	OMGT	2688
OMGT	2689				
OMGT	2690				
OMGT	2691				
OMGT	2692				
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
LRR	LRR-3514	LRR		LRR	
	LRR-3515				
	LRR-3516				
	LRR-3517				
	LRR-3518				
	LRR-3519R		LRR-3519R		LRR-3519R
MRR	MRR-3521R	MRR	LRR-3521R	MRR	LRR-3521R
	MRR-3580R		MRR-3580R		MRR-3580R
	MRR-3581				
	MRR-3582				
	MRR-3583R		MRR-3583R		
MMGT	MRR-3584	MMGT		MMGT	
	MMGT-3660		MMGT-3661R		MMGT-3661R
	MMGT-3661R				
OMGT	MMGT-3662	OMGT		OMGT	
	OMGT-3710R		OMGT-3710R		OMGT-3710R
	OMGT-3711				
	OMGT-3714				
MACG	OMGT-3715	MACG		MACG	
	MACG-3750R		MACG-3750R		MACG-3750R
	MACG-3751R		MACG-3751R		MACG-3751R
	MACG-3752R		MACG-3752R		MACG-3752R
	MACG-3753R		MACG-3753R		MACG-3753R
	MACG-3754R		MACG-3754R		MACG-3754R
	MACG-3755R		MACG-3755R		MACG-3755R
MACG-3756R	MACG-3756R	MACG-3756R			
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
LRR	4520				
MRR	4590				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

5.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

5.5.1 INSTRUCTOR DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5948 INSTRUCTOR DESIGNATIONS (5000 Phase)</b>	
<b>INSTRUCTOR DESIGNATION</b>	<b>EVENTS</b>
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6102, 6103

5.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5948 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)</b>	
<b>RCQD</b>	<b>EVENTS</b>
Qualification as an Aviation Radar Basic Technician (ARBT). QUAL-6102	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715
Qualification as an Aviation Radar Advanced Technician (ARAT). QUAL-6103	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 6102
Certification as a COMPTIA A+ Technician. CERT-6200	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
Certification as a COMPTIA Network+ Technician. CERT-6201	2259, 2260, 2261, 2262, 2263, 3282
Certification as a COMPTIA Security+ Technician. CERT-6202	2264, 2265, 2266, 2267, 2268, 2269, 3283
Designation as an Aviation Radar Chief (ARC). DESG-6303	2150, 2151, 2152, 2153, 2154, 2170, 2174, 2176, 2190, 2191, 2192, 2193, 2194, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2690, 2691, 3514, 3515, 3516, 3517, 3660, 3661, 3710, 3711, 3715, 6103
Designation as an Aviation Radar Chief 63 (ARC63). DESG-6304	2150, 2151, 2152, 2153, 2154, 2170, 2174, 2176, 2190, 2191, 2192, 2193, 2194, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2350, 2351, 2352, 2353, 2354, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556,

TAOC MAINTENANCE MOS 5948	
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
	2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2690, 2691, 3514, 3515, 3516, 3517, 3580, 3581, 3582, 3583, 3584, 3660, 3661, 3710, 3711, 3715, 6103
Designation as an Aviation Radar Maintenance Chief (ARMC). DESG-6305	2150, 2151, 2152, 2153, 2154, 2170, 2174, 2176, 2190, 2191, 2192, 2193, 2194, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2690, 2691, 3514, 3515, 3516, 3517, 3660, 3661, 3662, 3710, 3711, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6103
Designation as a Basic Instructor (BI). DESG-6321	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102
Designation as a Senior Instructor (SI). DESG-6325	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6103
Designation as a Maintenance Safety NCO. DESG-6340	2230, 2235, 2236
Designation as a Maintenance HAZMAT NCO. DESG-6341	2230, 2235, 2236
Designation as a Maintenance Publications NCO. DESG-6342	2230, 2234
Designation as a Maintenance Tools NCO. DESG-6343	2230, 2233
Designation as a Maintenance Calibrations NCO. DESG-6344	2230, 2231
Designation as a Maintenance Modifications NCO. DESG-6345	2230, 2232, 2234
Designation as a Maintenance Embarkation NCO. DESG-6346	2230, 2237
Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347	2159, 2230, 2602
Designation as a Maintenance Training NCO. DESG-6348	2230
Designation as a Maintenance Quality Control (QC) NCO. DESG-6350	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 6103

5.6 5948 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

5.6.1 Basic POI

TAOC MAINTENANCE 5948 BASIC POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-44	CORE SKILL INTRODUCTION TRAINING	MCCES
45-74	CORE SKILL TRAINING	TACTICAL SQUADRON
75-123	MISSION SKILL TRAINING	TACTICAL SQUADRON
124-128	CORE PLUS	TACTICAL SQUADRON

5.6.2 Refresher POI

TAOC MAINTENANCE MOS 5948 REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

5.7 SYLLABUS NOTES

5.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

5.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.

DEVICE	
Symbol	Meaning
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

5.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CPD by initial POI assignment are re-assigned to the M POI to maintain proficiency.

5.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

5.8 ACADEMIC PHASE (0000)

5.8.1 Purpose. **RESERVED FOR FUTURE USE**

5.8.2 General

5.8.2.1 Admin Notes.

5.8.2.2 Prerequisites.

5.8.2.3 Stages.

5.9 CORE SKILL INTRODUCTION PHASE (1000)

5.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5948 Aviation RADAR Technician. This training is completed upon graduation from the Aviation RADAR Technician Course.

5.9.2 General.

5.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

5.9.2.2 Admin Notes. None

5.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
5.9.3	AIR SCHOOLS (AIRS) STAGE

5.9.3 AIR SCHOOLS (AIRS) STAGE

5.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to safely embark, setup, operate, and maintain the AN/TPS-59A(V)3 Radar system, the AN/TPS-63B Radar system and the AN/UPX-37 Digital Interrogator. This training phase is complete upon graduation and assigned primary MOS.

5.9.3.2 General

Prerequisite. (1) Graduate from the Basic Electronics Course (CID: M092721).

(2) Meet the 5948 requirements delineated in the MOS Manual.

Admin Notes. Aviation Radar Maintenance Course (ARRC), MCCES, located in 29 Palms, CA.

Training track includes:

(1) Aviation Radar Fundamentals (CID: M0924X1).

(2) Aviation Radar Repair Course AN/TPS-63 (CID:M09A831)

(3) Aviation Radar Repair Course AN/TPS-59 (CID:M09A841)

Crew Requirements. None.

AIRS-1050                   \*           B   E   G

Goal. Perform corrective maintenance on the AN/TPS-59A(V)3 Radar system to the Line Replaceable Unit (LRU).

Requirement. Given the references and an inoperative AN/TPS-59A(V)3 Radar system, complete the following steps:

1. Adhere to safety requirements.
2. Research applicable technical data pertaining to faulty equipment.
3. Read schematic diagrams.
4. Ensure proper handling of ESD components.



5. Set up test equipment.
6. Connect test equipment.
7. Measure basic circuit performance.
8. Trace signal paths.
9. Trace current/voltage paths.
10. Identify faulty subassembly(s).
11. Remove/replace faulty subassembly(s) as required.
12. Verify proper operation.
13. Research authorized modification and technical instructions.
14. Perform maintenance closeout procedures and ensure quality assurance checks.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1051                   \*           B   E   G

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Goal. Perform corrective maintenance on the AN/UPX-37 Digital Interrogator to the Line Replaceable Unit (LRU).

Requirement. Given the references, tools, test equipment, and a faulty AN/UPX-37, complete the following steps:

1. Adhere to safety requirements.
2. Research applicable technical data pertaining to faulty equipment.
3. Read schematic diagrams.
4. Ensure proper handling of ESD components.
5. Set up test equipment.
6. Connect test equipment.
7. Manipulate the user interface.
8. Configure operational parameters.
9. Measure circuit performance.
10. Perform alignments.
11. Trace signal paths.
12. Trace current/voltage paths.
13. Identify faulty subassembly(s).
14. Remove/replace faulty subassembly(s) as required.
15. Verify proper operation.
16. Research authorized modification and technical instructions.
17. Perform maintenance closeout procedures and ensure quality assurance checks.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10851A-12&P/B Digital Interrogator AN/UPX-37
2. TM 10851A-CD Maintenance Manual w/Repair Parts

AIRS-1052                   \*           B                                   E                                   G

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Goal. Assemble the AN/TPS-59A(V)3 Radar system.

Requirement. As a member of a crew, given tools, the reference and an AN/TPS-59A(V)3 emplaced per the reference, complete the following steps:

1. Assemble the Antenna-Transmitter Group.
  - a. Couple the trailers.
  - b. Remove the tarpaulins.
  - c. Remove components.
  - d. Emplace jack pads.
  - e. Perform initial leveling.
  - f. Place ground anchors.
2. Assemble the array.
  - a. Prepare lower array.
  - b. Prepare upper array.
  - c. Couple lower array.
  - d. Couple upper array.
  - e. Finalize array assembly.
    - (1) Install the wings.
    - (2) Install the IFF antenna.
    - (3) Install the auxiliary sub-arrays.
    - (4) Install warning light and lightning rods.
    - (5) Install back stays.
    - (6) Connect jumper cables.
    - (7) Raise the array.
    - (8) Complete array assembly.
    - (9) Stow tools and components.
3. Install maintenance platform.
4. Install air conditioners.
5. Cable system.
6. Ground system.
7. Test earth-ground conductivity.
8. Perform initial power energizing procedure.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1053                   \*           B   E   G

Goal. Perform post emplacement procedures on the AN/TPS-59A(V)3 Radar system.

Requirement. Given an AN/TPS-59A(V)3 Radar and the reference, complete the following steps:

1. Perform ancillary equipment energizing procedure.
2. Perform tactical electronics energizing procedure.
3. Log-in.
4. Perform antenna leveling procedure.
5. Perform antenna north alignment procedure.
6. Perform data entry on system setup menus.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1054                   \*           B   E   G

Goal. Perform alignment procedures on the AN/TPS-59A(V)3 Radar system.

Requirement. Given an operational AN/TPS-59A(V)3 Radar system, test equipment, tools, and the reference, complete the following steps:

1. Set up test equipment.
2. Connect test equipment.
3. Obtain reading.
4. Prepare equipment for alignment.
5. Perform alignment.
6. Perform operational checks.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1055                    \*            B    E    G

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Goal. Operate the AN/TPS-59A(V)3 Radar system.

Requirement. Given an AN/TPS-59A(V)3 Radar system and the reference, complete the following steps:

1. Configure radar for operational environment.
2. Select mission mode.
3. Bring to an operational state.
4. Verify proper radar performance characteristics.
5. Verify external interface.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1056                    \*            B    E    G

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Goal. Perform corrective maintenance on the AN/TPS-63B Radar system to the Line Replaceable Unit (LRU).

Requirement. Given the references and an inoperative AN/TPS-63B Radar system, complete the following steps:

1. Adhere to safety requirements.
2. Research applicable technical data pertaining to faulty equipment.
3. Read schematic diagrams.

4. Ensure proper handling of ESD components.
5. Set up test equipment.
6. Connect test equipment.
7. Measure circuit performance.
8. Trace signal paths.
9. Trace current/voltage paths.
10. Identify faulty subassembly(s).
11. Remove/replace faulty subassembly(s) as required.
12. Verify proper operation.
13. Research authorized modification and technical instructions.
14. Perform maintenance closeout procedures and ensure quality assurance checks.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1 Radar Set AN/TPS-63 System
2. TM 07736C-14/5 Radar Set AN/TPS-63 Transmitter Maintenance
3. TM 07736C-14/6 Radar Set AN/TPS-63 Antenna Maintenance
4. TM 07736C-14/7 Radar Set AN/TPS-63 Processor Maintenance
5. TM 07736C-14/10 Radar Set AN/TPS-63 Frequency Generator Maintenance
6. TM 07736C-14/10 Radar Set AN/TPS-63 Power Distribution Maintenance

AIRS-1057                    \*            B    E    G

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Goal. Perform alignment procedures on the AN/TPS-63B Radar system.

Requirement. Given an operational AN/TPS-63B Radar system, test equipment, tools, and the references, complete the following steps:

1. Set up test equipment.
2. Connect test equipment.
3. Obtain reading.
4. Prepare equipment for alignment.
5. Perform alignment.
6. Perform operational checks.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1 Radar Set AN/TPS-63 System
2. TM 07736C-14/5 Radar Set AN/TPS-63 Transmitter Maintenance
3. TM 07736C-14/6 Radar Set AN/TPS-63 Antenna Maintenance
4. TM 07736C-14/7 Radar Set AN/TPS-63 Processor Maintenance
5. TM 07736C-14/8 Radar Set AN/TPS-63 Frequency Generator Maintenance
6. TM 07736C-14/10 Radar Set AN/TPS-63 Power Distribution Maintenance

AIRS-1058                   \*           B   E   G

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Goal. Operate the AN/TPS-63B Radar system.

Requirement. Given an energized AN/TPS-63B Radar system and the references, complete the following steps:

1. Configure radar for operational environment.
2. Bring to an operational state.
3. Verify proper radar performance characteristics.
4. Verify external interface.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1 Radar Set AN/TPS-63 System
2. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description
3. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
4. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook
5. TM 07736C-14/3 Radar Set AN/TPS-63 Operation Instructions

AIRS-1059                   \*           B   E   G

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Goal. Perform pre-operational checks on the AN/TPS-63B Radar system.

Requirement. Given an AN/TPS-63B Radar and the reference, complete the following steps:

1. Energize equipment.
2. Perform system leveling.
3. Perform system north alignment.
4. Verify system parameters.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. TM 07736C-14/2-1 RADAR SET, AN/TPS-63

AIRS-1060                      \*                      B    E    G

Goal. Setup the AN/TPS-63B Radar system.

Requirement. As a member of a radar crew, given an AN/TPS-63B Radar system, a suitable site, and the references, complete the following steps:

- 1. Prepare site.
- 2. Unpack AN/TPS-63B.
- 3. Assemble AN/TPS-63B antenna.
- 4. Connect system cabling.
- 5. Verify proper power input.
- 6. Verify installation of Environmental Control Units.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
- 2. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

AIRS-1061                      \*                      B    E    G

Goal. Prepare the AN/TPS-59A(V)3 Radar for relocation.

Requirement. As a member of a radar crew, given an AN/TPS-59A(V)3 radar system and the reference, complete the following steps:

- 1. Deenergize the radar set.

2. Lower the antenna array.
3. Disassemble the IFF antenna.
4. Disassemble the array.
5. Decouple the array.
6. Load the arrays.
7. Finalize disassembly and storage.
8. Decouple the trailers.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

AIRS-1062                   \*           B   E   G

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Goal. Prepare the AN/TPS-63B for relocation.

Requirement. As a member of a radar crew, given an AN/TPS-63B radar system and references, complete the following steps:

1. Remove the transmission line.
2. Lower the antenna.
3. Disassemble the antenna.
4. Disconnect ancillary equipment.
5. Pack the shelter.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
2. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

AIRS-1063                   \*           B   E   G

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Goal. Install Identification Friend or Foe (IFF) equipment in the



AN/TPS-59A(V)3.

Requirement. Given an AN/UPX-37 and an AN/TPS-59A(V)3 Radar system and references, complete the following steps:

1. Mount equipment in rack.
2. Connect cables.
3. Configure AN/UPX-37.
4. Verify proper operation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3
2. TM 10851A-12&P/B Digital Interrogator AN/UPX-37
3. TM 10851A-CD Maintenance Manual w/Repair Parts

AIRS-1064                   \*           B   E   G

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Goal. Install Identification Friend or Foe (IFF) equipment in the AN/TPS-63B Radar.

Requirement. Given an AN/UPX-37, an AN/TPS-63B Radar system, and the references, complete the following steps:

1. Mount equipment in rack.
2. Connect cables.
3. Configure AN/UPX-37.
4. Verify proper operation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10851A-12&P/B Digital Interrogator AN/UPX-37
2. TM 10851A-CD Maintenance Manual w/Repair Parts

3. TM 07736C-14/1-1 Radar Set AN/TPS-63 System
4. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description
5. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
6. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook
7. TM 07736C-14/3 Radar Set AN/TPS-63 Operation Instructions

AIRS-1121                    \*            B    E    G

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Goal. Describe the Marine Air Control Squadron (MACS).

Requirement. Given the references:

1. Describe the role of the MACS.
2. Describe the Headquarters Detachment.
3. Describe the Air Traffic Control Detachment.
4. Describe the Tactical Air Operations Center Detachment.
5. Describe the Early Warning and Control Detachment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3 Marine Air Command and Control System Handbook
2. MCWP 3-25.6 Sector Anti-Air Warfare Coordinator Handbook
3. MCWP 3-25.7 Tactical Air Operations Center Handbook

#### 5.10 CORE SKILL TRAINING (2000)

5.10.1 Purpose. To develop core skill proficiency for 5948 personnel to be able to perform duties while assigned to the TAOC RADAR section.

(1) Basic Technicians will gain core skill proficiency in basic radar operations and maintenance.

(2) Advance Technicians will gain core skill proficiency in advanced radar operations and maintenance.

(3) Crew Chiefs will gain core skill proficiency in managing crew level radar operations , maintenance, and maintenance management. This training will provide the crew chief the skills necessary to run a radar crew.

(4) Maintenance Chiefs will gain core skill proficiency in supervising and managing a radar maintenance section.

5.10.2 General.

5.10.2.1 Prerequisite.

(1) Aviation Radar Basic Technician (ARBT). Core Skill Introduction training must be completed prior to beginning ACSBT training.

(2) Aviation Radar Advanced Technician (ARAT). Must be qualified as an ARBT prior to beginning ARAT training.

(3) Aviation Radar Chief (ARC) or Aviation Radar Chief 63 (ARC63). Must be qualified as an ARAT prior to beginning ARC or ARC63 training.

(4) Aviation Radar Maintenance Chief (ARMC). Must be qualified as an ARAT prior to beginning ARMC training.

5.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

5.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
5.10.3	MACCS MAINTENANCE COMMON (CMN)
5.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
5.10.5	COMMUNICATION SECURITY (COMSEC)
5.10.6	FAMILIARIZATION (FAM)
5.10.7	COLLATERAL DUTY (CD)
5.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
5.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
5.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
5.10.11	IDENTIFICATION FIREND OR FOE (IFF)
5.10.12	RADAR (RDR)
5.10.13	LONG RANGE RADAR (LRR)
5.10.14	MEDIUM RANGE RADAR (MRR)
5.10.15	MAINTENANCE MANAGEMENT (MMGT)
5.10.16	OPERATIONAL MANAGEMENT (OMGT)

5.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

5.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSS within the MACCS.

5.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150    2.0    \*    B    \_\_\_\_\_ L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable components.
4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150\_
2. MCO P4790.2\_
3. Applicable equipment SL-3 or TM

CMN-2151    1.5    \*    B    \_\_\_\_\_ L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/\_
2. NAVMC 10561
3. MCO P4790.2\_
4. Applicable technical manuals
5. UM 4400.125 (Draft)

CMN-2152    2.0    \*    B    \_\_\_\_\_    L

Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Submit to the evaluator a correctly formatted PQDR IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Unit MMSOP
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>.
6. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/](https://www.pdrep.csd.disa.mil/pdrep_files/training/)

online\_train.htm

CMN-2153      3.0      \*      B      Grnd Rod Kit/MK-2551A/U L

Goal. Demonstrate an earth ground installation.

Requirement. Given the references, grounding kit and PPE, perform the following:

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:
  - a. Grounding rod.
  - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

CMN-2154      2.0      \*      B,R      L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

CMN-2158    1.0    \*    B    Tool box    L

Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.
7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2\_
3. MCO p4400.150\_
4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159    1.0    \*    B,R    GCSS    L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard. With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1\_
3. MCO P4790.2\_
4. MCBUL 3000
5. MCO P4400.16\_
6. Unit Maintenance Administration SOP

#### 5.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

5.10.5.1 Purpose. To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

#### 5.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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TMDE-2170    2.0    \*    B    USM-674    L

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Goal. Compare circuit card performance against a gold disk.

Requirement. Given a Circuit Board Tester, circuit card, a list of ten components to test, gold disk, and references, perform the following:

1. State the purpose of a Circuit Board tester.
2. Configure test set up for appropriate circuit card.
3. Test the circuit card.
4. Report the results.

Performance Standard. Report the results. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor



errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AN/USM-674 user's manual

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TMDE-2171    2.0    \*    B,R    Oscilloscope    L

Goal. Utilize an oscilloscope.

Requirement. Given the references, an oscilloscope and a signal generator:

1. State the purpose of an oscilloscope.
2. Verify calibration is current.
3. Measure a signal.
4. Report the results.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2172

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11277A-OI/1 OSCILLOSCOPE TDS 5054B-NV-AVTM 11277A-ID/2 OSCILLOSCOPE TDS 5054B-NV-AV

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TMDE-2172    2.0    \*    B,R    Signal generator    L

Goal. Demonstrate the use of a signal generator.

Requirement. Given a signal generator demonstrate the following:

1. Verify current calibration.
2. Configure signal generator for output.

3. Verify output.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable signal generator manual and equipment TM

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TMDE-2173    2.0    \*    B,R    R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

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TMDE-2174    2.0    \*    B,R    Power Meter L

Goal. Utilize a Power Meter.

Requirement. Given the references, a Power Meter and a signal generator:

1. State the purpose of a Power Meter.
2. Verify calibration is current.
3. Measure a signal.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Power Meter manual and equipment TM

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TMDE-2175 1.0 \* B,R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.
2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

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TMDE-2176 1.0 \* B,R Spectrum Analyzer L

Goal. Measure an RF signal with a spectrum analyzer.

Requirement. Given a spectrum analyzer and applicable reference,

complete the following:

1. State the purpose of a spectrum analyzer.
2. Verify current calibration.
3. Set reference level.
4. Measure a signal.
5. Center the signal within the display.
6. Maximize the frequency span to best display the signal.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Spectrum analyzer user's manual

#### 5.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

5.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

#### 5.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B,R,M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B,R,M \_\_\_\_\_ L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2192 2.0 365 B,R,M \_\_\_\_\_ L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a

diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2193 2.0 365 B,R,M \_\_\_\_\_ L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B,R \_\_\_\_\_ L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B,R,M \_\_\_\_\_ L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

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COMSEC-2196 2.0 \* B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

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COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.



Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2198 1.0 \* B L

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Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2199 2.0 365 B,R,M L

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Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified

area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

#### 5.10.6 FAMILIARIZATION (FAM) STAGE

5.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

5.10.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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FAM-2210    2.0    \*    B    L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2211 3.0 \* B L

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Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

FAM-2212 2.0 \* B L

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Goal. Describe the CAC2S.

Requirement. Given a CAC2S and IETM, complete the following:

1. Identify the purpose of the CAC2S.
2. Identify its functions.
3. Identify software.
4. Identify hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CAC2S IETM

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FAM-2213      3.0      \*      B      L

Goal. Define Tactical Data Links characteristics.

Requirement. Given the references, perform the following:

1. State the capability of Link 11.
2. State the capability of Link 11B.
3. State the capability of Link 16.
  - a. JREAP A.
  - b. JREAP B.
  - a. JREAP C.
4. State the capability of Army Tactical Data Link-1 (ATDL).
5. State the capability of NATO Link 1.
6. State the capability of Intelligence Broadcast System (IBS).
7. State the capability of Common Operational Picture (COP) Synch Tool (CST).
8. State the capability of Ground Based Data Link Enhanced (GBDLE).
9. List the types of units that utilize each link.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSI 6610.01D, Joint Multi-TADIL Operating Procedures
2. MIL-STD-6011, Link-11/11B

3. MIL-STD-6016, Link-16
4. STANAG 4175, Link 16 terminal (MIDS)

FAM-2214    1.0    \*    B    \_\_\_\_\_    L

Goal. Describe MTAOM equipment.

Requirement. Given the references:

1. Describe the purpose of the System Level Equipment.
2. Describe the purpose of the Digital communications Equipment.
3. Describe the Purpose of the Voice Communications Equipment.
4. Describe the Purpose of the Data Processing Equipment.
5. Describe the Purpose of the Internal Radio Equipment.
6. Describe the Purpose of the Operator interface Equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI MTAOM Operations and Organizational Maintenance Manual

FAM-2215    1.0    \*    B    \_\_\_\_\_    L

Goal. Describe Commanders Tactical Terminal (CTT) equipment.

Requirement. Given the reference:

1. Describe the purpose of the CTT antenna equipment.
2. Describe the purpose of the CTT Host.
3. Describe the purpose of the CTT radio.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10389-12 CTT Operators & Unit Maintenance Manual
2. TM 10389-30 CTT Direct Support Maintenance Manual

FAM-2216 2.0 \* B L

Goal. Identify the Intelligence Operations Workstation (IOW).

Requirement. Given the references and an IOW:

1. Describe the purpose of the IOW.
2. Describe the function of the IOW.
3. Describe software on the IOW.
4. Describe hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. IOS/IOW User's Manual
2. SL-3-10848D
3. MarineNet - C2PC Course Code C2P001

FAM-2217 1.0 \* B L

Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
3. AN/VRC 110.

- a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V) 4.
- a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
5. AN/GRC-256
- a. Frequency range
  - b. Power output
  - c. Types of antennas.
6. AN/USQ-140 (V) 2
- a. Frequency range
  - b. Power output
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V) 4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V) 2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2218 1.0 \* B L

Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

1. TBMCS.
2. AFATDS.
3. C2PC.
4. JADOCs.
5. Transverse (chat program).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

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FAM-2222    1.0    \*    B    L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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FAM-2223    1.0    \*    B    L

Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.



Instructor. BI, SI

Prerequisite. None

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143
4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

#### 5.10.7 COLLATERAL DUTY (CD) STAGE

5.10.7.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

#### 5.10.7.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230      8.0      \*      B,R      L

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Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
  - a. State the purpose of the TMDE program.
  - b. State the duty responsibilities.
2. Modification CD.
  - a. State the purpose of the modification program.
  - b. State the duty responsibilities.
3. Tool Control CD.
  - a. State the purpose of the tool control program.
  - b. State the duty responsibilities.
4. Publications CD.
  - a. State the purpose of the publications program.
  - b. State the duty responsibilities.
5. Safety CD.
  - a. State the purpose of the safety program.

- b. State the duty responsibilities.
6. Hazmat CD.
  - a. State the purpose of the HAZMAT program.
  - b. State the duty responsibilities.
7. Embarkation.
  - a. State the purpose of the embarkation program.
  - b. State the duty responsibilities.
8. MIMMS.
  - a. State the purpose of the MIMMS program.
  - b. State the duty responsibilities.
9. Records.
  - a. State the purpose of the records program.
  - b. State the duty responsibilities.
10. Quality Control.
  - a. State the purpose of the quality control program.
  - b. State the duty responsibilities.
11. Training Program
  - a. State the purpose of the Training program.
  - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2\_
4. TM 4700-15/1\_
5. Applicable CD Desktops
6. MCO 5100.29\_
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231      1.0      \*      B      L

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Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the

requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP

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CD-2232      2.0      \*      B      L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
  - a. Identified.
  - b. Verified.
  - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

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CD-2233      2.0      \*      B      L

Goal. Identify the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
  - a. Inventory schedule.
  - b. Check-in/Check-out.
  - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

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CD-2234      2.0      \*      B      L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235      2.0      \*      B      L

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Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
  - a. Define ESD.
  - b. Setup ESD workstation.
  - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
  - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
  - a. Electrical hazards.
  - b. Eye hazards.
  - c. Hearing hazards.
  - d. RF hazards.
  - e. Fire hazards.
5. Identify HAZMAT procedures.
  - a. State purpose of a Material Safety Data Sheets (MSDS).
  - b. Properly store and label HAZMAT materials.
  - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
  - d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29\_
2. MCO 4450.12\_
3. MCO 5100.8\_

4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236      2.0      \*      B      L

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Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
  - a. Chemical identity.
  - b. Manufactures name and contact information.
  - c. Hazardous ingredients/identity information.
  - d. Physical/chemical characteristics.
  - e. Fire and explosion hazard data.
  - f. Reactivity data.
  - g. Health hazard data.
  - h. Precautions for safe handling and use.
  - i. Control measures.
3. State the purpose of the MSDS center.
4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2\_
6. Associated Desktop
7. OSHA 29 CFR refer to  
[http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=standards&p\\_id=10099](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099)

CD-2237      3.0      \*      B      L

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Goal. Identify the key elements of the Maintenance Embarkation

Program.

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3\_ Unit Embarkation Handbook
2. MCO P4790.2\_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

CD-2238      1.0      \*      B      L

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Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM-4700-15/1
3. MCO 5210.11E

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CD-2240      2.0      1460      B,R,M      L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
  - a. Ensure equipment is being maintained to equipment standards.
  - b. Ensure quality controls are being adhered to.
  - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
  - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
  - e. Verify the repair process is properly implemented by ensuring that:
    - (1) Proper tools were used.
    - (2) ESD procedures were used.
    - (3) Safety warnings were adhered to.
    - (4) Necessary defective parts were replaced.
    - (5) Correct software was used, as applicable.
    - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.



Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243      2.0      \*      B      L

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Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.
3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2\_
3. NAVMC 3500.14\_
4. MCRP 3-01\_

5.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

5.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

5.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.

8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 \* B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and

- summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
  3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 \* B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 \* B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 \* B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 5.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

5.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 5.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

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Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

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Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.



Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

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Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

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Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

5.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

5.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

5.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 \* B E L

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Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 \* B E L

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Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

5.10.11 IDENTIFICATION FRIEND OR FOE (IFF) STAGE

5.10.11.1 Purpose. To train the trainee on IFF equipment within the radars of the TAOC.

5.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

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IFF-2350    2.0    \*    B    L

Goal. Describe the Identification Friend or Foe (IFF) Mark XII/XIIA components.

Requirement. Given references, describe the functions of the following:

1. Interrogator Set.
2. Switching Group.
3. Mode 4 Junction Device.

Performance Standard. With the aid of reference, physically identify the above items and verbally describe the functions of each item without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 2005-XXX
2. TM-10851A-12@p/B

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IFF-2351    1.0    \*    B,R    UPX-37, radar    L

Goal. Configure the Interrogator Set for operations within the radar.

Requirement. Given the references, radar, and an Interrogator Set configure the Interrogator Set for operation on a radar system.

Performance Standard. With the aid of reference, complete the requirement without error to display IFF targets on the radar display console. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10851A-12&P/B Digital Interrogator AN/UPX-37

IFF-2352      2.0      \*      B      UPX-37, radar      L/S

Goal. Perform corrective maintenance on the Interrogator Set.

Requirement. Given the references, tools, TMDE, and an Interrogator set with an actual fault (preferred) or a simulated scenario describing a fault in the Interrogator Set, and evaluator feedback, complete the following:

1. Identify the faulty module utilizing required publications, tools, Built In Test (BIT) results and TMDE as applicable.
2. Determine location of the faulty module.
3. Remove the module (live) or describe module removal (simulated).
4. Replace the module (live) or describe module replacement (simulated).
5. Verify correct operation using necessary means, tools, equipment, and BIT.

Performance Standard. With the aid of reference, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10851A-12&P/B Digital Interrogator AN/UPX-37
2. TM 10851A-CD Maintenance Manual w/Repair Parts

IFF-2353      2.0      \*      B,R      UPX-37, TPS-59      L

Goal. Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the LRR.

Requirement. Given the reference, conduct the following:

1. State the purpose of the Mk XIIIA IFF system.
2. Describe the theory of operation of the IFF system to the block diagram level.
3. Describe the theory of operation of Modes 1, 2, 3, C, 4 within the AN/TPS-59A(V)3.
4. Describe the IFF side lobe Suppression within the AN/TPS-59A(V)3.
  - a. Describe the relative power levels of the challenge pulses and the side lobe suppression pulse.
  - b. Explain the effect of side lobe suppression on an interrogation received outside the main lobe.

Performance Standard. With the aid of the applicable schematic or functional block diagram, pass a written examination with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-10851A, (AN/UPA-61 TM)
2. AIMS MK XII IFF Handbook
3. DOD AIMS 03-1000A

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IFF-2354      2.0      \*      B,R      UPX-37, TPS-63      L

Goal. Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the MRR.

Requirement. Given the reference, conduct the following:

1. State the purpose of the Mk XIIIA IFF system.
2. Describe the theory of operation of the IFF system to the block diagram level.
3. Describe the theory of operation of Modes 1, 2, 3, C, 4 within the AN/TPS-63B.
4. Describe the IFF side lobe suppression within the AN/TPS-63B.
  - a. Describe the relative power levels of the challenge pulses and the side lobe suppression pulse.
  - b. Explain the effect of side lobe suppression on an interrogation received outside the main lobe.

Performance Standard. With the aid of the applicable schematic or functional block diagram, pass a written examination with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.



Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-10851A, (AN/UPA-61 TM)
2. AIMS MK XII IFF Handbook
3. DOD AIMS 03-1000A

#### 5.10.12 RADAR (RDR) STAGE

5.10.12.1 Purpose. To train the trainee on the basic skills common to both the MRR and the LRR. These skills include training on the PARCS, paving breaker, and radar theory.

#### 5.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

RDR-2360    2.0    \*    B    L

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Goal. Describe the theory of operation of the Tactical Air Operations Module Interface Group (TIG).

Requirement. Given the references, complete the following:

1. Describe the functions of the following components:
  - a. TAOM Interface Unit (TIU).
  - b. Radar Electrical Optical Converter (REOC).
  - c. Voice Communication Access Unit (VCAU).
3. Describe the functions of the front panel switches and indicators on the TIG.
4. Describe the functions of the jacks on the TIU.
4. Describe the data signal flow to the block diagram level.

Performance Standard. With the aid of references, perform the requirement error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TAOM TM

RDR-2361      2.0      730      B,R,M              E              L

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Goal. Define RF wave propagation.

Requirement. Given the reference, conduct the following:

1. Explain RF wave propagation in free space.
2. Explain the mechanics of E and H fields.
3. Explain the environmental effects on RF wave propagation.
  - a. Describe wave refraction.
  - b. Describe ducting.
  - c. Describe backscatter.
  - d. Describe the effects of solar activity, humidity, barometric pressure, and temperature on RF wave propagation.
  - e. Describe the effects of terrain on RF wave propagation.
4. Explain the effects of electromagnetic interference (EMI).

Performance Standard. Without the aid of reference, pass a written examination with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. The Radar Handbook, Skolnik

RDR-2362      2.0      730      B,R,M              E              L

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Goal. Explain the theory of electronic countermeasure (ECM) and electronic counter-countermeasures (ECCM).

Requirement. Given the reference, explain the following:

1. Purpose of ECM and ECCM.
2. Effects of jamming.
3. Effects of frequency agility.
4. Effects of side lobe cancellation.
5. Effects of main lobe cancellation.
6. Effects of polarization.
7. Effects of chaff.
8. Threat of ARM.
9. Identify when to apply each ECCM feature.

Performance Standard. Without the aid of reference, pass a written

examination with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. The Radar Handbook, Skolnik
2. OI-07751C

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RDR-2363     2.0     730     B,R,M             E                     L

Goal. Describe the characteristics Long Range RADARs (LRRs) and Medium Range RADARs (MRRs).

Requirement. Given the reference, describe the following:

1. RF propagation of parabolic arrays.
2. RF propagation of phased arrays.

Performance Standard. Without the aid of reference, pass a written examination with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. The Radar Handbook, Skolnik

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RDR-2364     1.0     \*             B                             L

Goal. Identify organic tools and kits.

Requirement. Given the reference, identify and define the uses for the following tools and kits:

1. Microminiature Repair Station MK-2663/U.
2. "O" Level Electronic Tool Kit TK-28003.
3. General Mechanics Tool Kit (GMTK).
4. Torque wrenches.
5. Paving Breaker.

Performance Standard. Physically identify the above items and verbally describe a use for each without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Shop SOP

RDR-2365      4.0      \*      B      L

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Goal. Operate the paving breaker.

Requirement. Given a paving breaker and the reference, perform the following:

1. Identify the following controls/parts:
  - a. Handle.
  - b. Fuel tank cap.
  - c. Choke.
  - d. Air filter.
  - e. Spark plug.
  - f. Throttle.
  - g. Starting handle.
  - h. Fuel tank.
  - i. Function selector.
  - j. Tool retainer.
  - k. Stop button.
  - l. Fuel filter (some models).
2. Explain safety hazards, controls, and PPE including:
  - a. Hard hat or helmet.
  - b. Hearing protection.
  - c. Eye protection.
  - d. Gloves.
  - e. Steel toe boots.
3. Adhere to safety controls.
4. Fuel the machine.
  - a. identify the fuel:oil mixture for the breaker model used.
  - b. mix fuel and oil.
  - c. fill the fuel tank.
5. Select/insert tool.
6. Start the machine (cold).
7. Change the operation mode.
8. Stop the machine.
9. Re-start the machine (warm).
10. Stop the machine.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ATLAS COPCO No 9852 0878 90b Motor Drills Operator's Instructions (Pionjär)
2. ATLAS COPCO No. 9800 0955 01b Safety and Operating instructions (Cobra Combi)
3. SKIDRIL Operation and Parts Manual Drill/Breaker Model 180

RDR-2366    2.0    \*    B    \_\_\_\_\_    L

Goal. Maintain the paving breaker.

Requirement. Given the reference and a paving breaker, perform the following maintenance procedures:

1. Perform daily maintenance:
  - a. Inspect machine for damaged, loose, or leaking components.
  - b. Check the spark plug for serviceability and proper gap.
  - c. Clean the air filter and housing.
  - d. Check the chuck bushing.
2. Remove/replace the air filter.
3. Remove/replace the starter cord.
4. Drain fuel for transportation and/or storage.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ATLAS COPCO No 9852 0878 90b Motor Drills Operator's Instructions

- (Pionjär)
2. ATLAS COPCO No. 9800 0955 01b Safety and Operating instructions (Cobra Combi)
  3. SKIDRIL Operation and Parts Manual Drill/Breaker Model 180

RDR-2367    2.0    \*    B    \_\_\_\_\_ L

Goal.    Repair cables.

Requirement.    Given references, connector instructions, required materials and tools complete the following:

1. Replace the connector on a Semi rigid coaxial cable.
2. Replace the connector on a coaxial cable.
3. Repair 5 pins on a multi pin connector.
4. Replace RJ-45 connector.

Performance Standard.    Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite.    None.

Ordnance.    None.

Range.    None.

External Syllabus Support.    None.

Reference.

1. Applicable technical manuals
2. TM-07736C-14/1-1

RDR-2368    2.0    \*    B    \_\_\_\_\_ PARCS-2000 L

Goal.    Integrate the Portable Autonomous Report Collection System (PARCS) into a radar system for track/data verification.

Requirement.    Given a radar system, a TAOM Interface Unit (TIU), a PARCS and applicable references, perform the following:

1. Install the PARCS into the radar system.
2. Configure the PARCS.
3. Verify the data transferring from the radar to the TIU.
4. Perform data recording.

Performance Standard.    Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PARCS user's manual

#### 5.10.13 LONG RANGE RADAR (LRR) STAGE

5.10.13.1 Purpose. To train the trainee on the basic skills necessary to safely embark, setup, operate, maintain, and integration of the AN/TPS-59A(V)3 Radar system with the AN/UPX-37 Digital Interrogator with a C2 node within the MACS.

#### 5.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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LRR-2480    2.0    \*    B    L

Goal. Identify hazards specific to the LRR.

Requirement. Given the references and a de-energized LRR, identify the following hazards:

1. Electrical Hazards.
  - a. Power Distribution Box (PDB).
  - b. Unit 1.
  - c. Unit 2.
  - d. Unit 19.
2. Radio Frequency hazards.
  - a. Hazards of Electromagnetic Radiation to Personnel (HERP).
  - b. Hazards of Electromagnetic Radiation to Ordinance (HERO).
  - c. Hazards of Electromagnetic Radiation to Fuel (HERF).
  - d. Electromagnetic Interference from adjacent emitters.
3. Mechanical hazards.
  - a. Azimuth drive motor.
  - b. Elevation motor.
  - c. Maintenance Lift.
  - d. Ball Screws.
  - e. Array pedestal.

Performance Standard. Without the aid of references, physically identify electrical and mechanical hazard areas and verbally identify RF hazards to include Safe Separation Distances without error. Minor

errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3
2. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 1
3. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 2
4. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 3

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LRR-2481      2.0      \*      B      L

Goal. Verify system performance of the LRR.

Requirement. Given the results of PMFL tests, determine possible corrective actions for the below tests:

1. Platform Status Test.
2. Row Status.
3. Frequency Measurement Test.
4. Row Tests.

Performance Standard. With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2482      2.0      365      B,R,M      L

Goal. Identify LRR embarkation considerations.

Requirement. Given the reference, identify the following considerations for embarkation of the LRR:

1. Possible forms of transportation:



- a. Air.
- b. Sea.
- c. Land
- 2. Heavy equipment requirements for loading/unloading.
  - a. Crane
  - b. Forklift
- 3. Loading considerations:
  - a. Equipment specifications.
  - b. Prime mover specifications.
  - c. Dunnage.

Performance Standard. Without the aid of references, pass a written exam with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

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LRR-2483    8.0    730    B,R,M    L

Goal. Assemble the LRR.

Requirement. As a member of a crew, given the reference, required tools, and an LRR emplaced per the reference, complete the following steps:

1. Assemble the Antenna-Transmitter Group.
  - a. Couple the trailers.
  - b. Remove the tarpaulins.
  - c. Remove components.
  - d. Emplace jack pads.
  - e. Perform initial leveling.
  - f. Place ground anchors.
2. Assemble the array.
  - a. Prepare lower array.
  - b. Prepare upper array.
  - c. Couple lower array.
  - d. Couple upper array.
  - e. Finalize array assembly.
    - (1) Install the wings.
    - (2) Install the IFF antenna.
    - (3) Install the auxiliary sub-arrays.
    - (4) Install warning light and lightning rods.
    - (5) Install back stays.
    - (6) Connect jumper.
    - (7) Raise the array.

- (8) Complete array assembly.
- (9) Stow tools and components.
- 3. Install maintenance platform.
- 4. Install air conditioners.
- 5. Cable system.
- 6. Ground system.
- 7. Test earth-ground conductivity.
- 8. Perform initial power energizing procedure.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Must be able to verbally state the sequence of events involved in the assembly portion.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2484    2.0    730    B,R,M    L

Goal. Operate the Antenna Electronics Test Unit (AETU) of the LRR.

Requirement. Given the reference, TMDE, tools, an AETU, a row power supply, row transmitter, and row receiver, perform the following:

- 1. Row power supply test.
- 2. Row transmitter test.
- 3. Row receiver test.
- 4. Auxiliary receiver test.

Performance Standard. With the aid of the reference, perform the requirement and state the test results. Perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2485    2.0    \*    B    \_\_\_\_\_    L

Goal. Perform row transmitter power module performance test.

Requirement. Given the reference, an operational LRR and a power module test set, perform a row transmitter power module performance test.

Performance Standard. With the aid of the reference, perform the requirement and state the results. Perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2486    2.0    \*    B    \_\_\_\_\_    L

Goal. Conduct preventive maintenance on the LRR.

Requirement. Given the references, an operational LRR, tools, the required TMDE, required materials, and as part of a crew complete the following:

1. Locate scheduled maintenance action index table for Unit 1.
2. Perform the scheduled PM's for Unit 1.
3. Locate scheduled maintenance action index table for Unit 2.
4. Perform the scheduled PM's for Unit 2.
5. document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2487    2.0    730    B,R,M    L

Goal. Describe the transmit path of the LRR.

Requirement. Given the reference complete the following:

1. Describe creation of the Linear Frequency Modulation (LFM).
2. Trace the transmit signal from creation to emission.
3. Utilizing the reference, describe what occurs within each block in regards to the transmit signal.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2488    2.0    730    B,R,M    L

Goal. Describe the receive path of the LRR.

Requirement. Given the reference complete the following:

1. Describe creation of the four receive signals.
2. Trace the receive signals from the row feed to the signal processor/data processor (SPDP).
3. Utilizing the reference, describe what occurs within each block in regards to the receive signal.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2489      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the AC and DC Power Distribution subsystem of the LRR.

Requirement. Given the references, tools, TMDE, a LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2490      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the Exciter of the LRR.

Requirement. Given the references, tools, TMDE, a LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2491      4.0      \*      B      L/S

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Goal. Perform corrective maintenance on the Final Receiver of the LRR.

Requirement. Given the references, tools, TMDE, a LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the

requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2492      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the 1A5A1 (data array distribution) on the LRR.

Requirement. Given the references, tools, TMDE, an operational LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2493      4.0      \*      B      L/S

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Goal. Perform corrective maintenance on the Array Electronics of the LRR.

Requirement. Given the references, tools, TMDE, an operational LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2494      4.0      \*      B      L/S

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Goal. Perform corrective maintenance on the Electro-mechanical subsystem of Unit 1 in the LRR.

Requirement. Given the references, tools, TMDE, a LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:



1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2495    12.0    \*    B    L/S

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Goal. Perform corrective maintenance on the Signal Processor/Data Processor.

Requirement. Given the references, tools, TMDE, a LRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In

the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2496      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the IFF subsystem of the LRR.

Requirement. Given the references, perform the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2497      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the LRR equipment trailers.

Requirement. Given the reference, a LRR radar system with a fault (preferred) in the pneumatic or hydraulic systems of the equipment trailers or simulated fault scenario, tools, and TMDE, complete the following:

1. Identify the fault using technical manuals, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulted component (live) or describe removal of the faulted component (simulated).
4. Replace the faulted component (live) or describe replacement of the faulted component (simulated).
5. Verify correct operation of the replaced component using technical manuals, tools, and TMDE.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-2498    2.0    \*    B    L

Goal. Verify the operation of a circuit card using the Printed Circuit Board Tester.

Requirement. Given a circuit card, a Printed Circuit Board Tester and applicable reference, perform the following:

1. State the purpose of the Printed Circuit Board Tester.
2. Set up test for appropriate circuit card.
3. Perform test on circuit card.
4. State whether the card is operational or faulty.
5. State which component or group of components are suspected IAW the test procedures.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful

execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Printed Circuit Board tester user's manual

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LRR-2499    2.0    \*    B    L/S

Goal. Perform corrective maintenance on the AN/UPA-61 RF switching group.

Requirement. Given the reference, an AN/UPA-61 RF switching group with an actual fault (live preferred) or simulated fault scenario, tools, and TMDE perform the following:

1. Identify the fault utilizing required technical manuals, tools and TMDE.
2. Locate the faulted component.
3. Remove the faulted component (live) or describe removal of the faulted component (simulated).
4. Replace the faulted component (live) or describe replacement of the faulted component (simulated).
5. Verify correct operation of the replaced component utilizing necessary technical manuals, tools, and TMDE.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. In the case of a simulated scenario, instructor feedback is allowed in order to progress.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVEXLEX 0967-LP-420-9010

LRR-2500    2.0    \*    B    L

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Goal. Describe the theory of operations to the block diagram level of the LRR data processing group (Unit 2).

Requirement. Given the reference, describe what occurs within each block of the block diagram of the Signal Processor/Data Processor (SP/DP) cabinet 2A7.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2501    4.0    \*    B    L

---

Goal. Perform Unix functions within the LRR.

Requirement. Given the reference and a LRR radar, perform the following Unix functions:

1. State the fundamentals of the UNIX operating system.
2. Perform UNIX functions within the LRR operating system:
  - a. Create a file.
  - b. Delete a file.
  - c. Copy a file.
  - d. Create a directory.
  - e. Delete a directory.
  - f. Move files to and from different types of media.
  - g. Execute the telnet command.
  - h. Execute the CMDtool command.
  - i. Execute the VI editor command.
  - j. Execute the ping command.
  - k. Execute the list directory command.
  - l. Execute the ipconfig command.
  - m. Access and display the RDP log files.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. System and Network administration guide TM-07751C

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LRR-2502      4.0      \*      B      Radar, C2 node      L

Goal. Verify connection between the LRR and a C2 node.

Requirement. Given the references, a LRR connected to a C2 node, and all required equipment, perform the following:

1. State the data that travels through the interface from the radar to the C2 node.
2. Perform interface checks.
  - a. PARCS (V) 2.
  - b. Detection Performance menu within PMFL.
3. Verify system performance indicator is illuminated.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. 5979 crew with C2 node.

Reference.

1. TAOC radar system interface specification
2. PARCS User's Manual

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LRR-2503      2.0      730      B,R,M      L

Goal. Verify radar performance utilizing PMFL and Tables menus of the LRR.

Requirement. Given a LRR complete the following:

1. Describe the data contained within each of the PMFL and Tables submenus.
2. Evaluate the data contained within each of the following PMFL

- and Tables submenus:
- a. Align & row tests.
  - b. Flag data.
  - c. Fault tests.
  - d. Fault test results.
  - e. Gain data.
  - f. Receiver performance.
  - g. System performance.
  - h. Detection performance.
  - i. Signal processor performance.
  - j. Noise measurement.
  - k. Frequency status.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2504    4.0    \*    B    \_\_\_\_\_    L

Goal. Perform LRR final receiver alignment.

Requirement. Given the reference, an operational LRR radar system, tools, and TMDE, perform the final receiver alignment to include SET 3 within the mixer-filter assembly (1A3A9). Document as required.

Performance Standard. With the aid of reference, align the final receiver to within tolerance. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2505 4.0 \* B L

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Goal. Perform LRR maintenance lift torque limiter alignment.

Requirement. Given the reference, an operational LRR radar system, tools, and TMDE, perform the maintenance lift torque limiter alignment. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

LRR-2506 2.0 \* B L

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Goal. State the radar system power alignments.

Requirement. Given the reference, a LRR radar, tools, and TMDE, explain the following radar system alignments:

1. Voltage regulator alignment (1A5VR1 to VR6).
2. Document as required.

Performance Standard. With the aid of reference, state the steps of each procedure without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

LRR-2507 2.0 \* B L/S

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Goal. Perform corrective maintenance on the OE-442.

Requirement. Given the reference, OE-442 with an actual fault (preferred) or simulated fault scenario, tools, and TMDE, complete the following:

1. Identify the fault using technical manuals, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulted component (live) or describe removal of the faulted component (simulated).
4. Replace the faulted component (live) or describe replacement of the faulted component (simulated).
5. Verify correct operation of the replaced component using technical manuals, tools, and TMDE.
6. Document as required.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2508      2.0      365      B,R,M      L

Goal. Describe each SET function of the LRR.

Requirement. Given the aid of reference perform the following:

1. List each SET function.
2. Describe the function.

Performance Standard. Without the aid of reference, verbally explain the functional description of each of the SET functions without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3
2. TM-07751C-14/10 (confidential)

LRR-2509      2.0      \*      B      L

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Goal. Configure the LRR Radar for an operational environment.

Requirement. Given the reference, operational scenario, and an operational LRR, configure the system for an operational environment by completing the following:

1. Radar Frequency.
2. Physical Data.
3. Atmospheric Data.
4. External Alignment.
5. IFF Control.
6. SET Function Status.
7. Platform Level.
8. North Alignment.
9. Mission.
10. Weather Sectors.
11. Blanking Sectors.
12. Radar Control.
13. Scan Rate.
14. Document as required.

Performance Standard. With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2510      2.0      \*      B      L

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Goal. Perform Performance Monitoring Fault Location (PMFL) tests on the LRR.

Requirement. Given the reference and an operational LRR, complete the following:

1. Run Performance Monitoring Fault Location tests:
  - a. Platform Status Test.

- b. Row Status.
  - c. Frequency Measurement Test.
  - d. Row Tests.
2. State whether the results are within tolerance.
  3. Document as required.

Performance Standard. With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-2511      2.0      \*      B      L

Goal. Operate the Global Positioning System (GPS) within the LRR.

Requirement. Given the reference, an operational LRR, and a GPS, program the GPS for operation within Unit 2.

Performance Standard. With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. System software configuration document (SSCD)

LRR-2512      8.0      730      B,R,M      L

Goal. Prepare the LRR Radar for relocation.

Requirement. As a member of a radar crew, given a LRR system and the reference, complete the following steps:

1. Deenergize the radar set.
2. Lower the antenna array.
3. Disassemble the IFF antenna.
4. Disassemble the array.
5. Decouple the array.
6. Load the arrays.
7. Finalize disassembly and storage.
8. Decouple the trailers.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable. Must be able to verbally state the sequence of events involved in the disassembly portion.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

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LRR-2513      8.0      730      B,R,M      L/S

Goal. Employ OE-442.

Requirement. As a part of the radar crew, given the references and a palletized OE-442 perform the following:

1. Emplace transmitters IAW the reference (maybe simulated).
2. Cable the system.
3. Perform operations check.
4. Explain how the OE-442 defeats the threat.

Performance Standard. With the aid of reference, perform the requirement to a proficient level. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

5.10.14 MEDIUM RANGE RADAR (MRR) STAGE

5.10.14.1 Purpose. To train the trainee on the basic skills necessary to safely embark, setup, operate, maintain, and integration of the AN/TPS-63B Radar system with the AN/UPX-37 Digital Interrogator with a C2 node within the MACS.

5.10.14.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MRR-2540      2.0      \*      B      L

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Goal. Identify hazards specific to the MRR.

Requirement. Given the references and a de-energized MRR, identify the following hazards:

1. Mechanical Hazards.
  - a. Antenna rotation.
  - b. Fan assemblies.
  - c. Drive motor.
2. Electrical Hazards.
  - a. Behind the power distribution panel.
  - b. The lower cabinet of the TWT.
  - c. The lower cabinet of the CFA.
  - d. The grid pulser.
  - e. The portion of chassis above the HV standoffs.
  - f. The upper cabinet of the TWT.
  - g. The upper cabinet of the CFA.
2. Radio Frequency hazards.
  - a. Hazards of Electromagnetic Radiation to Personnel (HERP).
  - b. Hazards of Electromagnetic Radiation to Ordnance (HERO).
  - c. Hazards of Electromagnetic Radiation to Fuel (HERF).
  - d. Electromagnetic Interference from adjacent emitters.

Performance Standard. Without the aid of references, physically identify electrical and mechanical hazard areas and verbally identify RF hazards to include Safe Separation Distances without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C 14/\_ Safety Summary
2. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 1
3. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 2
4. NAVSEA OP 3565/NAVAIR 16-1-529 VOL 3

MRR-2541     2.0    365    B,R,M    L

Goal.    Configure the MRR for an operational environment.

Requirement.    Given the reference, operational scenario, and an operational MRR, configure the system for an operational environment by completing the following:

1. Radar Frequency.
2. Radar transmit pulse width.
3. Staggered PRF sector.
4. MTI.
5. Physical Data.
6. External Alignment.
7. IFF Control.
8. Pedestal Level.
9. North Alignment.
10. Weather Sectors.
11. Blanking Sectors.
12. Radar Control.
13. Scan Rate.
14. Document as required.

Performance Standard.    With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite.    None.

Ordnance.    None.

Range.    None.

External Syllabus Support.    None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/1-2
3. TM 07736C-14/3
4. TM 07736C-14/5
5. TM 07736C-14/7

MRR-2542     4.0    \*        B    L

Goal.    Align the receiver on the MRR.

Requirement. Given the reference and a MRR, complete the following:

1. Perform a receiver alignment per the reference.
2. State occasions when a receiver alignment should be performed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/7

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MRR-2543    2.0    \*    B    L

Goal. Operate the AN/UYQ-509 Scope.

Requirement. Given the reference, provided a MRR in operate mode, and with an AN/UYQ-509, complete the following:

1. Display radar and IFF video on the scope.
2. Determine the range between two targets using the cursor.
3. Offset the center of the display.
4. Zoom into a selected target to a range scale of 20 miles.
5. Determine the IFF codes for a target.
6. Input information in order to display geographical location.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UYQ-509 Course Handout
2. TM USMC TPS-63B DU-1 (Aug 1, 2005 edition)

MRR-2544    2.0    \*    B,R    \_\_\_\_\_    L

Goal. Describe the operation of the Synchronizer in the MRR.

Requirement. Given the reference complete the following:

1. Describe the purpose of the synchronizer.
2. Describe the following functions:
  - a. Clock generation.
  - b. PRI generation.
  - c. Triggers/enable gates.
  - d. RF control.
  - e. Built in test equipment (BITE).

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/1-2
3. TM 07736C-14/3
4. TM 07736C-14/5
5. TM 07736C-14/7

MRR-2545    2.0    730    B,R,M    \_\_\_\_\_    L

Goal. Verify Mode 4 operation in the MRR.

Requirement. Given the references, tools, TMDE, an energized MRR, verify Mode 4 by observing the Mode 4 test on the scope.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.



Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/1-2
3. TM 07736C-14/3
4. TM 07736C-14/5
5. TM 07736C-14/7

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MRR-2546      2.0      730      B,R,M      L

Goal. Prepare the MRR for relocation.

Requirement. As a member of a radar crew, given a MRR system and references, complete the following steps:

1. Remove the transmission line.
2. Lower the antenna.
3. Disassemble the antenna.
4. Disconnect ancillary equipment.
5. Pack the shelter.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
2. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

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MRR-2547      2.0      730      B,R,M      L

Goal. Setup the MRR system.

Requirement. As a member of a radar crew, given a MRR system, a suitable site and the references, complete the following steps:

1. Prepare site.
2. Unpack the MRR.
3. Assemble MRR antenna.
4. Connect system cabling.

5. Verify proper power input.
6. Verify installation of Environmental Control Units.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
2. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

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MRR-2548    2.0    \*    B    \_\_\_\_\_    L

Goal. Perform pre-operational checks on the MRR system.

Requirement. Given a MRR and the reference, complete the following steps:

1. Energize equipment.
2. Perform system leveling.
3. Perform system north alignment.
4. Verify system parameters.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/2-1 RADAR SET, AN/TPS-63

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MRR-2549    2.0    730    B,R,M    \_\_\_\_\_    L

Goal. Operate the MRR system.

Requirement. Given an energized MRR and the references, complete the following steps:

1. Configure radar for operational environment.
2. Bring to an operational state.
3. Verify proper radar performance characteristics.
  - a. Fault lights on Multi-Level Power supply.
  - b. All Test points on Performance Fault Isolation (PFI) panel.
  - c. Meters and test points on Frequency Generator.
  - d. Radar Control Panel indicators.
  - e. Calibrate meters as required, test points, fault indicators on the transmitter Cabinets.
  - f. Calibrate meters as required, test points, fault indicators on Receiver.
4. Verify external interface.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1 Radar Set AN/TPS-63 System
2. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description
3. TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
4. TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook
5. TM 07736C-14/3 Radar Set AN/TPS-63 Operation Instructions

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MRR-2550    2.0    \*    B    L

Goal. Familiarization with MRR embarkation considerations.

Requirement. Given the reference, identify the following considerations for embarkation of the MRR:

1. Possible forms of transportation:
  - a. Air.
  - b. Sea.
  - c. Land.
2. Heavy equipment requirements for loading/unloading.
  - a. Crane
  - b. Forklift
3. Loading considerations:

- a. Equipment specifications.
- b. Prime mover specifications.

Performance Standard. Without the aid of references, pass an exam with a minimum of minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C 14-2/1
2. TM 07736C 14-1/1
3. TM 07736C 14-1/2

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MRR-2551      2.0      \*      B      L

Goal. Conduct Preventive Maintenance Checks and Services (PMCS) on the MRR.

Requirement. Given the reference, a MRR, and required equipment perform scheduled PMCS procedures.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/4

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MRR-2552      2.0      \*      B      L/S

Goal. Perform corrective maintenance to the Power Distribution subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the

following:

1. Identify the fault by utilizing applicable publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/10
3. TM 07736C-14/13

MRR-2553      4.0      \*      B      L/S

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Goal. Perform corrective maintenance to the Multi-Level Power Supply subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step

listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/10
2. TM 07736C-14/13

MRR-2554      2.0      \*      B      L/S

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Goal. Perform corrective maintenance to the Frequency Generator subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/8
3. TM 07736C-14/13

MRR-2555      2.0      \*      B      L/S

Goal. Perform corrective maintenance to the RF/IF Receiver subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/3
3. TM 07736C-14/7

MRR-2556      2.0      \*      B      L/S

Goal. Perform corrective maintenance on the Antenna and Antenna Control subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/6
3. TM 07736C-14/13

MRR-2557    2.0    \*    B    L/S

Goal. Perform corrective maintenance on the Transmitter Control subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step.



(Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/5
3. TM 07736C-14/13

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MRR-2558      2.0      \*      B      L/S

Goal. Perform corrective maintenance to the TWT subsystem of the transmitter in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault in this subsystem (preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/5
3. TM 07736C-14/13

MRR-2559     2.0     \*     B     

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 L/S

Goal. Perform corrective maintenance to the Coolant subsystem in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault in this subsystem (preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.  
Equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/5
3. TM 07736C-14/13

MRR-2560     2.0     \*     B     

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 L/S

Goal. Perform corrective maintenance on the Extended Range Processor (ERP) subsystem of the receiver in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a

fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/7
3. TM 07736C-14/13

MRR-2561    2.0    \*    B    L/S

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Goal. Perform corrective maintenance on the Digital Target Extractor (DTE) subsystem of the receiver in the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Display DTE fault memory files on DTE Control panel.
2. Identify the fault utilizing required publications, tools, TMDE, and DTE fault memory files.
3. Locate the faulted component.
4. Remove the faulty component (live) or describe component removal (simulated).
5. Install the replacement component (live) or describe component replacement (simulated).
6. Verify correct operation utilizing necessary means, tools, and equipment.
7. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/7
3. TM 07736C-14/13

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MRR-2562      2.0      \*      B      L/S

Goal. Perform corrective maintenance on the Radar Control Panel (RCP) subsystem of the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/13

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MRR-2563      2.0      \*      B      L/S

Goal. Perform corrective maintenance on the IFF subsystem of the MRR.

Requirement. Given the references, tools, TMDE, an operational MRR with a fault (live preferred) or a simulated scenario describing a fault in this subsystem, and evaluator feedback, complete the following:

1. Identify the fault utilizing required publications, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulty component (live) or describe component removal (simulated).
4. Install the replacement component (live) or describe component replacement (simulated).
5. Verify correct operation utilizing necessary means, tools, and equipment.
6. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-1
2. TM 07736C-14/13

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MRR-2564      4.0      \*      B,R      L/S

Goal. Perform alignment of the turn-off pulser.

Requirement. Given the reference, a MRR with a replaced, but unaligned, CFA (live preferred) or simulated scenario, tools, and TMDE perform the following:

1. Perform operational checks of the CFA assembly.
2. Perform alignment of the turn-off pulser assembly (live) or explain the procedures for the turn-off pulser alignment (simulated).
3. Document as required.

Performance Standard. With the aid of reference, align the CFA assembly to within tolerance (live) or explain the procedures without error (simulated).

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/5

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MRR-2565      4.0      \*      B,R      L/S

Goal. Perform alignment of the grid pulser.

Requirement. Given the reference, a MRR with a replaced, but unaligned, TWT (preferred) or simulated scenario, tools, TMDE and evaluator feedback, perform the following:

1. Perform operational checks of the TWT amplifier.
2. Perform alignment of the grid pulser assembly (live) or explain the procedures for the grid pulser alignment (simulated).
3. Document as required.

Performance Standard. With the aid of reference, align the TWT amplifier assembly to within tolerance (live) or explain the procedures without error (simulated).

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/5

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MRR-2566      4.0      \*      B      L/S

Goal. Perform corrective maintenance on the MRR digital target

extractor (DTE)/extended range processor (ERP).

Requirement. Given the reference, a MRR with an actual fault in the DTE/ERP (live preferred) or simulated fault scenario, tools and TMDE, complete the following:

1. Identify the flow of discrete signals in the DTE and ERP.
2. Display a signal from processor backplane.
3. Identify the fault utilizing technical manuals, tools, and TMDE.
4. Locate the faulted component.
5. Remove the faulted component (live) or describe removal of the faulted component (simulated).
6. Replace the faulted component (live) or describe replacement of the faulted component (simulated).
7. Verify correct operation of the replaced component utilizing technical manuals, tools, and TMDE.
8. Perform a wire wrap on the ERP/DTE processor backplane (live) or explain the procedures to perform a wire wrap (simulated).
9. Align the video/trigger driver circuit cards in the ERP.
10. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/7

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MRR-2567    4.0    \*    B    L/S

Goal. Perform corrective maintenance on the MRR radar control panel (1A13).

Requirement. Given the reference, a MRR with an actual fault in the radar control panel (live preferred) or simulated fault scenario, tools and TMDE, complete the following:

1. Identify the fault utilizing technical manuals, tools, and TMDE.
2. Locate the faulted component.
3. Remove the faulted component (live) or describe removal of the faulted component (simulated).
4. Replace the faulted component (live) or describe replacement of the faulted component (simulated).

5. Document as required.

Performance Standard. With the aid of references, complete each step listed above without error. In the case of a simulated scenario, instructor feedback is allowed in order to progress from step to step. (Example: "You note the signal is bad at the test point indicated." or "You correctly replaced the component, what happens next?").

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2

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MRR-2568      4.0      \*      B      L

Goal. Perform corrective maintenance on an MRR radar secondary reparable item.

Requirement. Given the references, a MRR with a faulted secondary reparable item within the system, tools, and TMDE, complete the following:

1. Identify the fault utilizing technical manuals, tools, and TMDE.
2. Locate the faulted secondary reparable component.
3. Remove the faulted secondary reparable component.
4. Replace the faulted secondary reparable component.
5. Verify correct operation of the replaced secondary reparable component utilizing technical manuals, tools, the radar system and/or TMDE as needed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series



MRR-2569 2.0 \* B L

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Goal. Verify data output from MRR.

Requirement. Given the references, a MRR, PARCS, and all required equipment, perform the following:

1. State the data that travels through the interface from the radar to the C2 node.
2. Perform interface checks.
  - a. Display target counts on the DTE control panel.
  - b. Install the PARCS between the DTE and TIU interface.
  - c. Display target data output from the DTE using the PARCS.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-08565A-14/12
2. TM-07736C-14/1-1
3. PARCS User's Manual

#### 5.10.15 MAINTENANCE MANAGEMENT (MMGT) STAGE

5.10.15.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

#### 5.10.15.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2600 3.0 \* B L

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Goal. Ensure preparatory measures are taken for disposition of equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-2601 1.0 \* B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700-15/1H
2. MCO P4790.2\_

MMGT-2602 4.0 \* B,R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
  - a. Maintenance Production Report (MPR).
  - b. Equipment Status Report (ESR).
  - c. Preventative Maintenance Report.
  - d. Calibrations Report.
  - e. Modification Instruction report.
  - f. Maintenance Management Report (MMR).
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Service Request (SR).
    - (1) Tasks.
    - (2) Notes.
    - (3) Parts Requirements.
  - j. Inspection repair tag (NAVMC 1018).
  - k. Layette bin.
    - (1) Sub-Inventory.
    - (2) Stage.
  - l. Oracle Installed Base.
    - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000
3. MCO P4400.16-
4. DLA Handbook

5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 \* B L

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Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG

MMGT-2604 2.0 \* B L

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Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-2605 2.0 \* B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-2606 2.0 \* B L

Goal. Induct new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation IAW the reference.
  - b. Ensure initial SL-3 was performed.
  - c. Ensure an initial LTI was performed.
  - d. Ensure induction of new equipment into calibration cycle as

required.

- e. Ensure equipment is accounted for within EKMS as required.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

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MMGT-2607 2.0 \* B L

Goal. Phase out equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
  - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
  - e. Ensure the record jackets were completed and accompanied equipment.
  - f. Ensure the equipment and proper documentation was sent to Supply for turn-in.
  - g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82

MMGT-2608 16.0 \* B,R L

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Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting functional areas.

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-2609 2.0 \* B L

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Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1\_
2. Unit TO&E

MMGT-2610 2.0 \* B \_\_\_\_\_ L

Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Complete an Urgent UNS form.
5. Complete a deliberate UNS form.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.



External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17\_

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MMGT-2611 40.0 \* B L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. CMR
3. MMO SOP

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MMGT-2612 1.5 \* B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within

GCSS-MC.

5. Ensure inventory records are updated to reflect current status:
  - a. Item on-hand availability status.
  - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P4790.2\_

MMGT-2613 13.0 \* B L

Goal. Identify the functions of maintenance management.

Requirement. With the aid of reference, perform the following:

1. Identify the references associated with the MIMMS.
2. Identify the objectives of MIMMS.
3. Identify equipment maintenance management procedures.
4. Identify the responsibilities of maintenance management personnel.
5. Identify the information contained in the Table of Organization and Equipment (T/O&E).
6. Identify the steps to submit a T/O&E change request.
7. Identify the purpose of supply reports used in Maintenance Management.
8. Identify the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Identify the purpose of maintenance support programs.
10. Identify that describes Repairable Issue Point (RIP) procedures.
11. Identify the RIP customer re-computation procedures.
12. Identify the steps in the Recoverable Item Report (WIR) procedures.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2602, 2603, 2609, 2611

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCO P4790.1\_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16\_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1\_
10. Unit TO&E
11. MCO P4400.150\_
12. CMR
13. MMO SOP
14. MCO 4400.151\_

MMGT-2614 1.0 \* B L

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Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1\_
2. MCO P4790.2\_
3. MCO P4400.16\_
4. Unit SOP
5. UM 4400-125 (draft)

5.10.16 OPERATIONAL MANAGEMENT (OMGT) STAGE

5.10.16.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

5.10.16.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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OMGT-2680 2.0 \* B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.
5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

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OMGT-2681 2.0 365 B,R,M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.

3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.
7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2682 4.0 1460 B,R,M L

Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
  - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordinance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.

13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V) 4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 \* B L

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Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

OMGT-2684 3.0 \* B L

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Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario, perform the following:

1. Determine supply needs with consideration of the following:
  - a. Location.
  - b. Equipment.
  - c. Daily operations.
  - d. Climate.
2. Identify SECREP requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2691

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

OMGT-2685 1.0 \* B L

---

Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario, perform the following:

1. State the purpose of an embarkation plan.

2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

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OMGT-2686 8.0 1460 B,R,M L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP



OMGT-2687 8.0 \* B L

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Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP
3. Applicable TM

OMGT-2688 4.0 365 B,R,M L

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Goal. Identify power requirements.

Requirement. Given a scenario and references, perform the following:

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 \* B L

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Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Record frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Record Satellite Access requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 \* B L

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Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

Performance Standard. With the aid of reference, submit a completed LSR to the instructor. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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OMGT-2691 2.0 \* B L

Goal. Submit a Bill of Material (BOM) request.

Requirement. Given a deployment scenario and references, perform the following:

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.
5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

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OMGT-2692 1.0 \* B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.

2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

#### 5.11 MISSION SKILL TRAINING (3000)

5.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

5.11.2 General.

5.11.2.1 Prerequisite.

5.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table;

else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

5.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
5.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
5.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
5.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
5.11.6	LONG RANGE RADAR (LRR)
5.11.7	MEDIUM RANGE RADAR (MRR)
5.11.8	MAINTENANCE MANAGEMENT (MMGT)
5.11.9	OPERATIONAL MANAGEMENT (OMGT)
5.11.10	MARINE AIR CONTROL GROUP (MACG)

5.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

5.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

5.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 5.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
5. Printers.
5. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 5.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
5. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

5.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

5.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

5.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 5.0 1095 B,R,M E L

Goal. Explain concepts included in Network+ exam N10-005.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.

- 3. Network Media and Topologies.
- 5. Network Management.
- 5. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. CompTIA Approved Quality Content (CAQC) program reference material

5.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

5.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

5.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 5.0 1095 B,R,M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

- 1. Network Security.
- 2. Operational Security.
- 3. Threats and vulnerabilities.
- 5. Cryptography.
- 5. Access control and identity management.
- 6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 5.11.6 LONG RANGE RADAR (LRR) STAGE

5.11.6.1 Purpose. To train the trainee on the advanced skills necessary to safely embark, setup, operate, maintain, and integration of the AN/TPS-59A(V)3 Radar system with the AN/UPX-37 Digital Interrogator with a C2 node within the MACS.

#### 5.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

LRR-3514      8.0      \*      B      \_\_\_\_\_ L

Goal. Ensure the LRR radar system is properly assembled.

Requirement. Given the reference, a disassembled LRR, a radar crew, all required tools, and material, observe assembly of the radar and verify the following steps are correctly performed:

1. Trailer Coupling torque settings.
2. Initial Leveling Procedure.
3. Lower array coupling.
4. Upper array coupling.
5. Array splice cabling.
6. IFF antenna assembly.
7. Antenna rising.
8. Maintenance Platform assembly.
9. System Cabling.
10. System Grounding.

Performance Standard. With the aid of reference, ensure the requirement is performed within the radar assembly process and correct any mistakes.

Instructor. SI, WTI

Prerequisite. 2480, 2483

Ordnance. None.

Range. None.

External Syllabus Support. None.



Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-3515      8.0      \*      B      \_\_\_\_\_ L

Goal. Ensure the LRR radar system is properly disassembled.

Requirement. Given the reference, an assembled LRR, a radar crew, all required tools and material, observe disassembly of the radar and verify the following steps are correctly performed:

1. Lowering antenna array.
2. Array disassembly.
3. Array decoupling.
4. Array section loading.
5. Final disassembly and stowage.
6. Trailer decoupling.
7. Cable and reel stowage.

Performance Standard. With the aid of reference, ensure the requirement items are performed within the radar disassembly process and correct any mistakes.

Instructor. SI, WTI

Prerequisite. 2480, 2512

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

LRR-3516      12.0      \*      B      \_\_\_\_\_ L

Goal. Deploy a long range radar system ISO operations.

Requirement. Given the references, a LRR, core capable crew, operational requirement and commander's guidance, conduct the following:

1. Coordinate and supervise the preparation of embarking the radar system.
2. Coordinate the transportation of the radar system to a given site.
3. Coordinate and supervise the emplacement of the radar system.
4. Ensure the radar system is operational state in compliance with the mission.
5. Coordinate and supervise the retrograding of the radar system.

Performance Standard. With the aid of references, perform each item in the requirement without error and IAW the references.

Instructor. SI, WTI

Prerequisite. 2480, 2482, 2483, 2502, 2512

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-3517    8.0    \*    B    L

Goal. Perform system troubleshooting on the LRR.

Requirement. Given the references, a de-energized LRR with a fault in the system, tools and TMDE, complete the following:

1. Perform operational checks and alignment of the radar system.
2. Identify symptoms of a fault within the radar system.
3. Troubleshoot fault to the lowest replaceable unit.
4. Perform corrective maintenance in order to bring the radar to an operational state.

Performance Standard. With the aid of references, perform each item in the requirement without error and IAW the references. Instructor shall ensure the fault was correctly identified to the lowest replaceable unit. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2480, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-3518    12.0    \*    B    L

Goal. Plan for and coordinate efforts in deploying a long range radar system.

Requirement. Complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.

3. Establish an accurate T/O for the radar crew.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.
6. Coordinate COMSEC support.
7. Identify communication requirement.
8. Submit requirement for frequency request.
9. Establish an accurate float list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify chow and billeting requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2480, 2482

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

Group/Squadron/Shop Standard Operating Procedures

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LRR-3519    2.0    730    B,R,M    L

Goal. Verify the configuration of the LRR.

Requirement. Given the reference, verify the setting input into the radar system:

Radar Frequency.

Physical Data.

Atmospheric Data.

External Alignment.

IFF Control.

SET Function Status.

Platform Level.

Mission.

Weather Sectors.

Blanking Sectors.

Radar Control.

Scan Rate.

Performance Standard. With the aid of references, complete the requirements without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2481, 2485, 2503

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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LRR-3521      8.0      1095      B,R,M      Radar, C2 node      L

Goal. Establish a remote radar link between a C2 node and an LRR system.

Requirement. Given a LRR radar system, all required communication equipment, and a C2 node complete the following:

1. Install remote radar communications equipment.
2. Configure communications equipment for remote radar data.
3. Operate remote radar communications equipment.
4. Verify that the link with the C2 node is passing data.

Performance Standard. The link must successfully transmit data to the C2 node IAW the reference.

Instructor. BI, SI

Prerequisite. 2502

Ordnance. None.

Range. None.

External Syllabus Support. 5979 crew at C2 node.

Reference.

1. TAOC pocket checklist

#### 5.11.7 MEDIUM RANGE RADAR (MRR) STAGE

5.11.7.1 Purpose. To train the trainee on the advanced skills necessary to safely embark, setup, operate, maintain, and integration of the AN/TPS-63B Radar system with the AN/UPX-37 Digital Interrogator with a C2 node within the MACS.



MRR-3581      8.0      \*      B      L

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Goal.    Ensure the proper setup the MRR.

Requirement.    Given a MRR, core capable crew, a suitable site and the references, complete the following steps:

1.    Prepare site.
2.    Unpack the MRR.
3.    Assemble the MRR antenna.
4.    Connect system cabling.
5.    Verify proper power input.
6.    Verify installation of Environmental Control Units.

Performance Standard.    With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor).    Minor errors corrected by the trainee are acceptable.

Instructor.    SI, WTI

Prerequisite.    2540, 2547

Ordinance.    None.

Range.    None.

External Syllabus Support.    None.

Reference.

1.    TM 07736C-14/2-1 Radar Set AN/TPS-63 Installation
2.    TM 07736C-14/2-2 Radar Set AN/TPS-63 Installation Pocket Handbook

MRR-3582      12.0      \*      B      L

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Goal.    Deploy a MRR ISO operations.

Requirement.    Given an operations order, references, a MRR, and a core capable crew perform the following:

1.    Coordinate and supervise the preparation of embarking the radar system.
2.    Coordinate the transportation of the radar system to a given site.
3.    Coordinate and supervise the emplacement of the radar system.
4.    Ensure the radar system is operational state in compliance with the mission.
5.    Coordinate and supervise the retrograding of the radar system.

Performance Standard.    With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor).    Minor errors corrected by the trainee are acceptable.

Instructor.    SI, WTI

Prerequisite.    2540, 2541, 2546, 2547, 2549

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

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MRR-3583      8.0      \*      B,R      L

Goal. Perform system troubleshooting on the MRR.

Requirement. Given the references, a de-energized MRR with a fault in the system, tools and TMDE, complete the following:

1. Perform operational checks and alignments of the radar system.
2. Identify symptoms of a fault within the radar system.
3. Troubleshoot fault to the lowest replaceable unit.
4. Perform corrective maintenance in order to bring the radar to an operational state.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2541, 2543, 2548, 2549, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

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MRR-3584      12.0      \*      B      L

Goal. Plan for and coordinate efforts in deploying a MRR system.

Requirement. Complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.
3. Establish an accurate T/O for the radar section.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.

6. Coordinate COMSEC support.
7. Identify communication requirement.
8. Submit requirement for frequency request.
9. Establish an accurate float list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify chow and billeting requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2540, 2550

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

#### 5.11.8 MAINTENANCE MANAGEMENT (MMGT) STAGE

5.11.8.1 Purpose. To train the trainee on the advanced skills necessary to perform as a member of a maintenance shop.

#### 5.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660    2.0    \*    B    L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing



the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B,R,M L

Goal. Validate SECREP assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

MMGT-3662 2.0 \* B L

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Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

#### 5.11.9 OPERATIONAL MANAGEMENT (OMGT) STAGE

5.11.9.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

5.11.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B,R,M L

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Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 \* B L

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Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
  - Tactical licenses.
  - Active clearance.
  - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

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OMGT-3714 8.0 \* B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

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OMGT-3715 8.0 \* B L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

5.11.10 MARINE AIR CONTROL GROUP (MACG) STAGE

5.11.10.1 Purpose. To teach the trainee common communication and data flow within the MACG.

5.11.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MACG-3750 1.0 1095 B,R,M L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCRP 5-12D
- 2.MCWP 3-25.4
- 3.Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3751 1.0 1095 B,R,M L

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3752 1.0 1095 B,R,M L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3753 1.0 1095 B,R,M L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3754 1.0 1095 B,R,M L

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3755 1.0 1095 B,R,M \_\_\_\_\_ L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3756 2.0 1095 B,R,M \_\_\_\_\_ L

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.



3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 3750, 3751, 3752, 3753, 3754, 3755

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCWP 3-2
- 2.MCWP 3-25.4

5.12 CORE PLUS TRAINING (4000)

5.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

5.12.2 General.

5.12.2.1 Prerequisiste. 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

5.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

(1) Training in this phase does not preclude simultaneous training in the Mission Skill and Core Skill Advanced phases.

(2) Individual Core Skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crewmember assistance must be restricted to those actions required to support or facilitate individual training so as

not to detract from the individual properly demonstrating the event performance standard.

5.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

PAR NO.	STAGE NAME
5.12.3	LONG RANGE RADAR (LRR)
5.12.4	MEDIUM RANGE RADAR (MRR)

5.12.3 LONG RANGE RADAR (LRR) STAGE

5.12.3.1 Purpose. To train the trainee on the skills necessary to operate, maintain, and intergrate the AN/TPS-59 Radar system with a Radar Environment Simulator (RES) within the MACS.

5.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirements. Core capable TPS-59 crew.

LRR-4520 8.0 \* B L

Goal. Install and operate the Radar Environment Simulator (RES).

Requirement. Given the reference, a RES, and an AN/TPS-59 radar and all required tools and TMDE, perform the following:

1. Install the RES.
2. Run a RES scenario.

Performance Standard. With the aid of reference, correctly install the RES and display the scenario on the AN/TPS-59 display, IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-07751B-14/1
2. RES Manual

5.12.4 MEDIUM RANGE RADAR (MRR) STAGE

5.12.3.1 Purpose. To train the trainee on the skills necessary to operate, maintain, and intergrate the AN/TPS-63B Radar system with a C2 node (remote radar) within the MACS.

5.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirements. Core capable TPS-63 crew.

MRR-4590      8.0      \*      B      L

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Goal. Establish a remote radar link between a C2 node and a MRR system.

Requirement. Given an radar system, all required communication equipment, and a C2 node complete the following:

1. Install remote radar communications equipment.
2. Configure communications equipment for remote radar data.
3. Operate remote radar communications equipment.
4. Verify that the link with the C2 node is passing data.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

5.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

5.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the

required training, an individual may be approved for instructor designation by the commanding officer.

5.13.2 General.

5.13.2.1 Prerequisiste. None

5.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient.
SI	Core Skill, Mission Skill, and Core Plus events in which current and proficient.

5.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
5.13.3	INSTRUCTOR UNDER TRAINING (IUT)

5.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

5.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

5.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

5.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

5.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

5.14.2 General.

5.14.2.1 Prerequisiste. None

5.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

5.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
5.14.3	QUALIFICATION (QUAL)
5.14.4	CERTIFICATIONS (CERT)
5.14.5	DESIGNATION (DESG)
5.14.6	SCHOOL CODES (SCHL)

5.14.3 QUALIFICATIONS (QUAL) STAGE

5.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

5.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

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QUAL-6102    0.5    \*    B    L

Goal. Qualification as an Aviation Radar Basic Technician (ARBT).

Requirement. Complete required Aviation Radar Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

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QUAL-6103    0.5    \*    B    L

Goal. Qualification as an Aviation Radar Advanced Technician (ARAT).

Requirement. Complete required Aviation Radar Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485,

2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497,  
2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511,  
2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6102,  
8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022,  
8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

#### 5.14.4 CERTIFICATIONS (CERT) STAGE

5.14.5.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 5.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 5.0 \* B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6201 5.0 \* B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6202 5.0 \* B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

5.14.5 DESIGNATIONS (DESG) STAGE

5.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If



prerequisite R-coded events are delinquent, the individual shall update those events.

5.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6303 0.5 \* B L

Goal. Designation as an Aviation Radar Chief (ARC).

Requirement. Complete required Aviation Radar Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6304 0.5 \* B L

Goal. Designation as an Aviation Radar Chief 63 (ARC63).

Requirement. Complete required Aviation Radar Chief 63 training POI. Be recommended for qualification by a WTI and approved in writing by

the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2354, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3580, 3581, 3582, 3583, 3584, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6305 0.5 \* B L

Goal. Designation as an Aviation Radar Maintenance Chief (ARMC).

Requirement. Complete required Aviation Radar Maintenance Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3662, 3710, 3711, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756,

6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021,  
8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 0.5 \* B L

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Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a SI or WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174,  
2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366,  
2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497,  
2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102, 8000,  
8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6321 1.0 \* B L

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Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174,  
2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214,  
2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235,  
2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362,  
2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485,  
2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497,

2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511,  
2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 5000,  
5010, 5020, 5100, 5110, 5120, 5130, 6103, 8000, 8001, 8002, 8003, 8004,  
8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027,  
8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

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DESG-6340 1.0 \* B L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.  
1. Unit SOP

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DESG-6341 1.0 \* B L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 \* B L

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Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6343 1.0 \* B L

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Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6344 1.0 \* B L

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Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

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DESG-6345 1.0 \* B L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

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DESG-6346 1.0 \* B L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 \* B L

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Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6348 1.0 \* B L

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Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6350 1.0 \* B \_\_\_\_\_ L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

#### 5.14.6 SCHOOL CODES (SCHL) STAGE

5.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5948 in the skill progression of the Marine.

#### 5.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	



SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL 6079	JRE-GW Operators' Course	Titan L3	N/A

5.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

5.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

5.15.2 General

5.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

5.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

5.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
5.15.3	CONDITION (COND)

5.15.3 CONDITION (COND) STAGE

5.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

5.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
5. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the

position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B,R,M C2 System L/S

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Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
5. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B,R,M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
5. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

#### 5.16 AVIATION CAREER PROGRESSION MODEL (8000).

5.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

5.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced

instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	<b>MAGTF</b>		1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	4000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	4000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	4000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

5.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
CORE SKILL (2000 Phase)											
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-
Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152					-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173	
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154	CMN	2154			-	-
Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151	
Initiate a service request.	CMN	2159	*	CMN	2159	CMN	2159			-	-
Compare circuit card performance against a gold disk.	TMDE	2170	*	TMDE	2170					-	-
Utilize an oscilloscope.	TMDE	2171	*	TMDE	2171	TMDE	2171			2172	-
Demonstrate the use of a signal generator.	TMDE	2172	*	TMDE	2172	TMDE	2172			-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173	TMDE	2173			-	-
Utilize a Power Meter.	TMDE	2174	*	TMDE	2174	TMDE	2174			-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175	TMDE	2175			-	-
Measure an RF signal with a spectrum analyzer.	TMDE	2176	*	TMDE	2176	TMDE	2176			-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	FAM	2211	*	FAM	2211					-	-
Describe the CAC2S.	FAM	2212	*	FAM	2212					-	-
Define Tactical Data Links characteristics.	FAM	2213	*	FAM	2213					-	-
Describe MTAOM equipment.	FAM	2214	*	FAM	2214					-	-
Describe Commanders Tactical Terminal (CTT) equipment.	FAM	2215	*	FAM	2215					-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify the Intelligence Operations Workstation (IOW).	FAM	2216	*	FAM	2216					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Describe C2 Applications.	FAM	2218	*	FAM	2218					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					-	-
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230	CD	2230			-	-
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-
Identify the Tool Control Program.	CD	2233	*	CD	2233					2230	-
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform Quality Control Procedures.	CD	2240	1460	CD	2240	CD	2240	CD	2240	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2193, 2194, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3660, 3715, 6103	-
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-
Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-



TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-
Explain access control and identity management.	IAWFST	2268	*	IAWFST	2268					-	-
Explain application, data and host security.	IAWFST	2269	*	IAWFST	2269					-	-
Describe the Identification Friend or Foe (IFF) Mark XII/XIIA components.	IFF	2350	*	IFF	2350					-	-
Configure the Interrogator Set for operations within the radar.	IFF	2351	*	IFF	2351	IFF	2351			-	-
Perform corrective maintenance on the Interrogator Set.	IFF	2352	*	IFF	2352					-	-
Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the LRR.	IFF	2353	*	IFF	2353	IFF	2353			-	-
Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the MRR.	IFF	2354	*	IFF	2354	IFF	2354			-	-
Describe the theory of operation of the Tactical Air Operations Module Interface Group (TIG).	RDR	2360	*	RDR	2360					-	-
Define RF wave propagation.	RDR	2361	730	RDR	2361	RDR	2361	RDR	2361	-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain the theory of electronic countermeasure (ECM) and electronic counter-countermeasures (ECCM).	RDR	2362	730	RDR	2362	RDR	2362	RDR	2362	-	-
Describe the characteristics of LRRs and MRRs.	RDR	2363	730	RDR	2363	RDR	2363	RDR	2363	-	-
Identify organic tools and kits.	RDR	2364	*	RDR	2364					-	-
Operate the paving breaker.	RDR	2365	*	RDR	2365					-	-
Maintain the paving breaker.	RDR	2366	*	RDR	2366					-	-
Repair cables.	RDR	2367	*	RDR	2367					-	-
Integrate the Portable Autonomous Report Collection System (PARCS) into a radar system for track/data verification.	RDR	2368	*	RDR	2368					-	-
Identify hazards specific to the LRR.	LRR	2480	*	LRR	2480					-	-
Verify system performance of the LRR.	LRR	2481	*	LRR	2481					-	-
Identify LRR embarkation considerations.	LRR	2482	365	LRR	2482	LRR	2482	LRR	2482	-	-
Assemble the LRR.	LRR	2483	730	LRR	2483	LRR	2483	LRR	2483	-	-
Operate the Antenna Electronics Test Unit (AETU) of the LRR.	LRR	2484	730	LRR	2484	LRR	2484	LRR	2484	-	-
Perform row transmitter power module performance test.	LRR	2485	*	LRR	2485					-	-
Conduct preventive maintenance on the LRR.	LRR	2486	*	LRR	2486					-	-
Describe the transmit path of the LRR.	LRR	2487	730	LRR	2487	LRR	2487	LRR	2487	-	-
Describe the receive path of the LRR.	LRR	2488	730	LRR	2488	LRR	2488	LRR	2488	-	-

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CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform corrective maintenance on the AC and DC Power Distribution subsystem of the LRR.	LRR	2489	*	LRR	2489					-	-
Perform corrective maintenance on the Exciter of the LRR.	LRR	2490	*	LRR	2490					-	-
Perform corrective maintenance on the Final Receiver of the LRR.	LRR	2491	*	LRR	2491					-	-
Perform corrective maintenance on the 1A5A1 (data array distribution) on the LRR.	LRR	2492	*	LRR	2492					-	-
Perform corrective maintenance on the Array Electronics of the LRR.	LRR	2493	*	LRR	2493					-	-
Perform corrective maintenance on the Electro-mechanical subsystem of Unit 1 in the LRR.	LRR	2494	*	LRR	2494					-	-
Perform corrective maintenance on the Signal Processor/Data Processor.	LRR	2495	*	LRR	2495					-	-
Perform corrective maintenance on the IFF subsystem of the LRR.	LRR	2496	*	LRR	2496					-	-
Perform corrective maintenance on the LRR equipment trailers.	LRR	2497	*	LRR	2497					-	-

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CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Verify the operation of a circuit card using the Printed Circuit Board Tester.	LRR	2498	*	LRR	2498					-	-
Perform corrective maintenance on the AN/UPA-61 RF switching group.	LRR	2499	*	LRR	2499					-	-
Describe the theory of operations to the block diagram level of the LRR data processing group (Unit 2).	LRR	2500	*	LRR	2500					-	-
Perform Unix functions within the LRR.	LRR	2501	*	LRR	2501					-	-
Verify connection between the LRR and a C2 node.	LRR	2502	*	LRR	2502					-	-
Verify radar performance utilizing PMFL and Tables menus of the LRR.	LRR	2503	730	LRR	2503	LRR	2503	LRR	2503	-	-
Perform LRR final receiver alignment.	LRR	2504	*	LRR	2504					-	-
Perform LRR maintenance lift torque limiter alignment.	LRR	2505	*	LRR	2505					-	-
State the radar system power alignments.	LRR	2506	*	LRR	2506					-	-
Perform corrective maintenance on the OE-442.	LRR	2507	*	LRR	2507					-	-
Describe each SET function of the LRR.	LRR	2508	365	LRR	2508	LRR	2508	LRR	2508	-	-
Configure the LRR Radar for an operational environment.	LRR	2509	*	LRR	2509					-	-
Perform Performance Monitoring Fault Location (PMFL) tests on the LRR.	LRR	2510	*	LRR	2510					-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate the Global Positioning System (GPS) within the LRR.	LRR	2511	*	LRR	2511					-	-
Prepare the LRR Radar for relocation.	LRR	2512	730	LRR	2512	LRR	2512	LRR	2512	-	-
Employ OE-442.	LRR	2513	730	LRR	2513	LRR	2513	LRR	2513	-	-
Identify hazards specific to the MRR.	MRR	2540	*	MRR	2540					-	-
Configure the MRR for an operational environment.	MRR	2541	365	MRR	2541	MRR	2541	MRR	2541	-	-
Align the receiver on the MRR.	MRR	2542	*	MRR	2542					-	-
Operate the AN/UYQ-509 Scope.	MRR	2543	*	MRR	2543					-	-
Describe the operation of the Synchronizer in the MRR.	MRR	2544	*	MRR	2544					-	-
Verify Mode 4 operation in the MRR.	MRR	2545	730	MRR	2545	MRR	2545	MRR	2545	-	-
Prepare the MRR for relocation.	MRR	2546	730	MRR	2546	MRR	2546	MRR	2546	-	-
Setup the MRR system.	MRR	2547	730	MRR	2547	MRR	2547	MRR	2547	-	-
Perform pre-operational checks on the MRR system.	MRR	2548	*	MRR	2548					-	-
Operate the MRR system.	MRR	2549	730	MRR	2549	MRR	2549	MRR	2549	-	-
Familiarization with MRR embarkation considerations.	MRR	2550	*	MRR	2550					-	-
Conduct Preventive Maintenance Checks and Services (PMCS) on the MRR.	MRR	2551	*	MRR	2551					-	-
Perform corrective maintenance to the Power Distribution subsystem in the MRR.	MRR	2552	*	MRR	2552					-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform corrective maintenance to the Multi-Level Power Supply subsystem in the MRR.	MRR	2553	*	MRR	2553					-	-
Perform corrective maintenance to the Frequency Generator subsystem in the MRR.	MRR	2554	*	MRR	2554					-	-
Perform corrective maintenance to the RF/IF Receiver subsystem in the MRR.	MRR	2555	*	MRR	2555					-	-
Perform corrective maintenance on the Antenna and Antenna Control subsystem in the MRR.	MRR	2556	*	MRR	2556					-	-
Perform corrective maintenance on the Transmitter Control subsystem in the MRR.	MRR	2557	*	MRR	2557					-	-
Perform corrective maintenance to the TWT subsystem of the transmitter in the MRR.	MRR	2558	*	MRR	2558					-	-
Perform corrective maintenance to the Coolant subsystem in the MRR.	MRR	2559	*	MRR	2559					-	-
Perform corrective maintenance on the Extended Range Processor (ERP) subsystem of the receiver in the MRR.	MRR	2560	*	MRR	2560					-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform corrective maintenance on the Digital Target Extractor (DTE) subsystem of the receiver in the MRR.	MRR	2561	*	MRR	2561					-	-
Perform corrective maintenance on the Radar Control Panel (RCP) subsystem of the MRR.	MRR	2562	*	MRR	2562					-	-
Perform corrective maintenance on the IFF subsystem of the MRR.	MRR	2563	*	MRR	2563					-	-
Perform alignment of the turn-off pulser.	MRR	2564	*	MRR	2564	MRR	2564			-	-
Perform alignment of the grid pulser.	MRR	2565	*	MRR	2565	MRR	2565			-	-
Perform corrective maintenance on the MRR digital target extractor (DTE)/extended range processor (ERP).	MRR	2566	*	MRR	2566					-	-
Perform corrective maintenance on the MRR radar control panel (1A13).	MRR	2567	*	MRR	2567					-	-
Perform corrective maintenance on an MRR radar secondary repairable item.	MRR	2568	*	MRR	2568					-	-
Verify data output from MRR.	MRR	2569	*	MRR	2569					-	-
Ensure preparatory measures are taken for disposition of equipment.	MMGT	2600	*	MMGT	2600					2150	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151	-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602	MMGT	2602			2159	-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603					-	-
Define RA with regards to O&M funds.	MMGT	2604	*	MMGT	2604					-	-
Define PE with regards to O&M funds.	MMGT	2605	*	MMGT	2605					-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238	-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150	-
Inspect maintenance functional areas.	MMGT	2608	*	MMGT	2608	MMGT	2608			2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2609	*	MMGT	2609					-	-
Identify the Marine Corps Urgent Needs Process (MCUNP).	MMGT	2610	*	MMGT	2610					-	-
Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2611	*	MMGT	2611					-	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612					2150, 2159	-
Identify the functions of maintenance management.	MMGT	2613	*	MMGT	2613					2602, 2603, 2609, 2611	-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614					2159	-



TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680					-	-
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681	-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682	-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683					-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684					2691	-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685					2687	-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686	-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687					-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688	-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689					-	-
Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690					-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691					-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IAWFAT	3280	1095	IAWFAT	3280	IAWFAT	3280	IAWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IAWFAT	3281	1095	IAWFAT	3281	IAWFAT	3281	IAWFAT	3281	2255, 2256, 2257, 2258	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in Network+ exam N10-005.	IAWFNT	3282	1095	IAWFNT	3282	IAWFNT	3282	IAWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IAWFST	3283	1095	IAWFST	3283	IAWFST	3283	IAWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Ensure the LRR radar system is properly assembled.	LRR	3514	*	LRR	3514					-	-
Ensure the LRR radar system is properly disassembled.	LRR	3515	*	LRR	3515					-	-
Deploy a long range radar system ISO operations.	LRR	3516	*	LRR	3516					-	-
Perform system troubleshooting on the LRR.	LRR	3517	*	LRR	3517					-	-
Plan for and coordinate efforts in deploying a long range radar system.	LRR	3518	*	LRR	3518					-	-
Verify the configuration of the LRR.	LRR	3519	730	LRR	3519	LRR	3519	LRR	3519	-	-
Establish a remote radar link between a C2 node and an LRR system.	LRR	3521	1095	LRR	3521	LRR	3521	LRR	3521	-	-
Verify the configuration of the MRR for an operational environment.	MRR	3580	730	MRR	3580	MRR	3580	MRR	3580	-	-
Ensure the proper setup the MRR.	MRR	3581	*	MRR	3581					-	-
Deploy a MRR ISO operations.	MRR	3582	*	MRR	3582					-	-
Perform system troubleshooting on the MRR.	MRR	3583	*	MRR	3583	MRR	3583			-	-
Plan for and coordinate efforts in deploying a MRR system.	MRR	3584	*	MRR	3584					-	-
Set-up the CS.	EQUIP	3470	730	EQUIP	3470	EQUIP	3470	EQUIP	3470	-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Troubleshoot faulty system component in a CS.	EQUIP	3471	730	EQUIP	3471	EQUIP	3471	EQUIP	3471	-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Assess maintenance funding requirements.	MMGT	3662	*	MMGT	3662					-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-
Deploy a maintenance capability.	OMGT	3714	*	OMGT	3714					-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
Identify TACC Communications information exchange requirements.	MACG	3750	1095	MACG	3750	MACG	3750	MACG	3750	-	-
Identify TAOC and EW/C communications information exchange requirements.	MACG	3751	1095	MACG	3751	MACG	3751	MACG	3751	-	-
Identify DASC communications information exchange requirements.	MACG	3752	1095	MACG	3752	MACG	3752	MACG	3752	-	-
Identify UAS Communications information exchange requirements.	MACG	3753	1095	MACG	3753	MACG	3753	MACG	3753	-	-
Identify LAAD Communications information exchange requirements.	MACG	3754	1095	MACG	3754	MACG	3754	MACG	3754	-	-
Identify MATC communications information exchange requirements.	MACG	3755	1095	MACG	3755	MACG	3755	MACG	3755	-	-

TAOC MAINTENANCE MOS 5948											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Draw a Communications Diagram for the agencies within the MACG.	MACG	3756	1095	MACG	3756	MACG	3756	MACG	3756	3750, 3751, 3752, 3753, 3754, 3755	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Install and operate the Radar Environment Simulator (RES).	LRR	4520	*	LRR	4520					-	-
Establish a remote radar link between a C2 node and a MRR system.	MRR	4590	*	MRR	4590					-	-

5.18 T&R SYLLABUS MATRIX

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS) STAGE																			
AIRS	1050	Perform corrective maintenance on the AN/TPS-59A(V)3 Radar system to the Line Replaceable Unit (LRU).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1051	Perform corrective maintenance on the AN/UPX-37 Digital Interrogator to the Line Replaceable Unit (LRU).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1052	Assemble the AN/TPS-59A(V)3 Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1053	Perform post emplacement procedures on the AN/TPS-59A(V)3 Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1054	Perform alignment procedures on the AN/TPS-59A(V)3 Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1055	Operate the AN/TPS-59A(V)3 Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1056	Perform corrective maintenance on the AN/TPS-63B Radar system to the Line Replaceable Unit (LRU).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1057	Perform alignment procedures on the AN/TPS-63B Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1058	Operate the AN/TPS-63B Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1059	Perform pre-operational checks on the AN/TPS-63B Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1060	Setup the AN/TPS-63B Radar system.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1061	Prepare the AN/TPS-59A(V)3 Radar for relocation.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIRS	1062	Prepare the AN/TPS-63B for relocation.	B	E	G	-	-	D	*	0	0	0	0	0.0	-	-	-	-	
AIRS	1063	Install Identification Friend or Foe (IFF) equipment in the AN/TPS-59A(V)3.	B	E	G	-	-	D	*	0	0	0	0	0.0	-	-	-	-	
AIRS	1064	Install Identification Friend or Foe (IFF) equipment in the AN/TPS-63B Radar.	B	E	G	-	-	D	*	0	0	0	0	0.0	-	-	-	-	
AIRS	1121	Describe the Marine Air Control Squadron (MACS).	B	E	G	-	-	D	*	0	0	0	0	0.0	-	-	-	-	
TOTAL AIR SCHOOLS (AIRS) SKILL STAGE										1	0	0	0	0.0					
TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)										14	0	0	0	0.0					
MACCS MAINTENANCE COMMON (CMN)																			
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*	0	0	0	1.5	-	-	-	-		
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*	0	0	0	3.0	2173	-	-	-		
CMN	2154	Describe the characteristics of unit T/E generators.	B,R	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*	0	0	0	1.0	2150, 2151	-	-	-		
CMN	2159	Initiate a service request.	B,R	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE										0	0	0	0	7	12.5				
TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)																			
TMDE	2170	Compare circuit card performance against a gold disk.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
TMDE	2171	Utilize an oscilloscope.	B,R	-	L	-	-	-	*	0	0	0	2.0	2172	-	-	-		
TMDE	2172	Demonstrate the use of a signal generator.	B,R	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
TMDE	2173	Utilize a Ground Tester.	B,R	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
TMDE	2174	Utilize a Power Meter.	B,R	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-		
TMDE	2175	Utilize a multimeter.	B,R	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
TMDE	2176	Measure an RF signal with a spectrum analyzer.	B,R	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE										0	0	0	0	7	12.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>COMMUNICATION SECURITY (COMSEC)</b>																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	-	-	-	-	-	
COMSEC	2191	State the physical security requirements for classified areas.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	-	-	-	-	-	
COMSEC	2192	Create a classified area physical security diagram.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2191	-	-	-	-	
COMSEC	2193	Conduct classified material inventory.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2190	-	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B,R	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2190	-	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	1.0	2190	-	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2191, 2192	-	-	-	-	
<b>TOTAL COMMUNICATION SECURITY (COMSEC) STAGE</b>										0	0	0	0	10	19.0				
<b>FAMILIARIZATION (FAM)</b>																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	
FAM	2211	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	3.0	-	-	-	-	-	
FAM	2212	Describe the CAC2S.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	
FAM	2213	Define Tactical Data Links characteristics.	B	-	L	-	-	-	*	0	0	0	3.0	-	-	-	-	-	
FAM	2214	Describe MTAOM equipment.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	-	
FAM	2215	Describe Commanders Tactical Terminal (CTT) equipment.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
FAM	2216	Identify the Intelligence Operations Workstation (IOW).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
FAM	2218	Describe C2 Applications.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-		
TOTAL FAMILIARIZATION (FAM) STAGE										0	0	0	0	11	18.0				
COLLATERAL DUTY (CD)																			
CD	2230	State the maintenance Collateral Duties (CD).	B,R	-	L	-	-	-	*	0	0	0	8.0	-	-	-	-		
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*	0	0	0	1.0	2230	-	-	-		
CD	2232	Identify the Maintenance Modifications Program.	B	-	L	-	-	-	*	0	0	0	2.0	2230	-	-	-		
CD	2233	Identify the Tool Control Program.	B	-	L	-	-	-	*	0	0	0	2.0	2230	-	-	-		
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*	0	0	0	2.0	2230	-	-	-		
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*	0	0	0	2.0	2230	-	-	-		
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*	0	0	0	2.0	2230	-	-	-		
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*	0	0	0	3.0	2230	-	-	-		
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*	0	0	0	1.0	2230	-	-	-		



TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CD	2240	Perform Quality Control Procedures.	B,R,M	-	L	-	-	-	1460	0	0	0	0	2.0	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
TOTAL COLLATERAL DUTY (CD) STAGE										0	0	0	0	11	27.0				
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE										0	0	0	0	9	36.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)</b>																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>										0	0	0	0	5	20.0				
<b>INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST)</b>																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>										0	0	0	0	6	24.0				
<b>IDENTIFICATION FRIEND OR FOE (IFF)</b>																			
IFF	2350	Describe the Identification Friend or Foe (IFF) Mark XII/XIIA components.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
IFF	2351	Configure the Interrogator Set for operations within the radar.	B,R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
IFF	2352	Perform corrective maintenance on the Interrogator Set.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
IFF	2353	Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the LRR.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
IFF	2354	Describe the theory of operation of Identification Friend or Foe (IFF) equipment in the MRR.	B,R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
<b>TOTAL IDENTIFICATION FRIEND OR FOE (IFF) STAGE</b>										0	0	0	0	5	9.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>RADAR (RDR)</b>																			
RDR	2360	Describe the theory of operation of the Tactical Air Operations Module Interface Group (TIG).	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
RDR	2361	Define RF wave propagation.	B,R,M	E	L	-	-	-	730	0	0	0	2.0	-	-	-	-	-	-
RDR	2362	Explain the theory of electronic countermeasure (ECM) and electronic counter-countermeasures (ECCM).	B,R,M	E	L	-	-	-	730	0	0	0	2.0	-	-	-	-	-	-
RDR	2363	Describe the characteristics of LRRs and MRRs.	B,R,M	E	L	-	-	-	730	0	0	0	2.0	-	-	-	-	-	-
RDR	2364	Identify organic tools and kits.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	-	-
RDR	2365	Operate the paving breaker.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	-	-
RDR	2366	Maintain the paving breaker.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
RDR	2367	Repair cables.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
RDR	2368	Integrate the Portable Autonomous Report Collection System (PARCS) into a radar system for track/data verification.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
<b>TOTAL RADAR (RDR) STAGE</b>										0	0	0	0	9	19.0				
<b>LONG RANGE RADAR (LRR)</b>																			
LRR	2480	Identify hazards specific to the LRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2481	Verify system performance of the LRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2482	Identify LRR embarkation considerations.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	-	-	-	-	-	-
LRR	2483	Assemble the LRR.	B,R,M	-	L	-	-	-	730	0	0	0	8.0	-	-	-	-	-	-
LRR	2484	Operate the Antenna Electronics Test Unit (AETU) of the LRR.	B,R,M	-	L	-	-	-	730	0	0	0	2.0	-	-	-	-	-	-
LRR	2485	Perform row transmitter power module performance test.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2486	Conduct preventive maintenance on the LRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
LRR	2487	Describe the transmit path of the LRR.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
LRR	2488	Describe the receive path of the LRR.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
LRR	2489	Perform corrective maintenance on the AC and DC Power Distribution subsystem of the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2490	Perform corrective maintenance on the Exciter of the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2491	Perform corrective maintenance on the Final Receiver of the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2492	Perform corrective maintenance on the 1A5A1 (data array distribution) on the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2493	Perform corrective maintenance on the Array Electronics of the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2494	Perform corrective maintenance on the Electro-mechanical subsystem of Unit 1 in the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2495	Perform corrective maintenance on the Signal Processor/Data Processor.	B	-	L	-	-	-	*		0		0		12.0	-	-	-	
LRR	2496	Perform corrective maintenance on the IFF subsystem of the LRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2497	Perform corrective maintenance on the LRR equipment trailers.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
LRR	2498	Verify the operation of a circuit card using the Printed Circuit Board Tester.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
LRR	2499	Perform corrective maintenance on the AN/UPA-61 RF switching group.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
LRR	2500	Describe the theory of operations to the block diagram level of the LRR data processing group (Unit 2).	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2501	Perform Unix functions within the LRR.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	-	-
LRR	2502	Verify connection between the LRR and a C2 node.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	-	-
LRR	2503	Verify radar performance utilizing PMFL and Tables menus of the LRR.	B,R,M	-	L	-	-	-	730	0	0	0	2.0	-	-	-	-	-	-
LRR	2504	Perform LRR final receiver alignment.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	-	-
LRR	2505	Perform LRR maintenance lift torque limiter alignment.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	-	-
LRR	2506	State the radar system power alignments.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2507	Perform corrective maintenance on the OE-442.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2508	Describe each SET function of the LRR.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	-	-	-	-	-	-
LRR	2509	Configure the LRR Radar for an operational environment.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2510	Perform Performance Monitoring Fault Location (PMFL) tests on the LRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2511	Operate the Global Positioning System (GPS) within the LRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
LRR	2512	Prepare the LRR Radar for relocation.	B,R,M	-	L	-	-	-	730	0	0	0	8.0	-	-	-	-	-	-
LRR	2513	Employ OE-442.	B,R,M	-	L	-	-	-	730	0	0	0	8.0	-	-	-	-	-	-
TOTAL LONG RANGE RADAR (LRR) STAGE										0	0	0	0	34	120.0				
MEDIUM RANGE RADAR (MRR)																			
MRR	2540	Identify hazards specific to the MRR.	B	-	L	-	-	-	*	0	0	0	2.0	-	-	-	-	-	-
MRR	2541	Configure the MRR for an operational environment.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	-	-	-	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
MRR	2542	Align the receiver on the MRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MRR	2543	Operate the AN/UYQ-509 Scope.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2544	Describe the operation of the Synchronizer in the MRR.	B,R	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2545	Verify Mode 4 operation in the MRR.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
MRR	2546	Prepare the MRR for relocation.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
MRR	2547	Setup the MRR system.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
MRR	2548	Perform pre-operational checks on the MRR system.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2549	Operate the MRR system.	B,R,M	-	L	-	-	-	730		0		0		2.0	-	-	-	
MRR	2550	Familiarization with MRR embarkation considerations.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2551	Conduct Preventive Maintenance Checks and Services (PMCS) on the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2552	Perform corrective maintenance to the Power Distribution subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2553	Perform corrective maintenance to the Multi-Level Power Supply subsystem in the MRR.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MRR	2554	Perform corrective maintenance to the Frequency Generator subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2555	Perform corrective maintenance to the RF/IF Receiver subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2556	Perform corrective maintenance on the Antenna and Antenna Control subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MRR	2557	Perform corrective maintenance on the Transmitter Control subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2558	Perform corrective maintenance to the TWT subsystem of the transmitter in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2559	Perform corrective maintenance to the Coolant subsystem in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2560	Perform corrective maintenance on the Extended Range Processor (ERP) subsystem of the receiver in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2561	Perform corrective maintenance on the Digital Target Extractor (DTE) subsystem of the receiver in the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2562	Perform corrective maintenance on the Radar Control Panel (RCP) subsystem of the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2563	Perform corrective maintenance on the IFF subsystem of the MRR.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	
MRR	2564	Perform alignment of the turn-off pulser.	B,R	-	L	-	-	-	*		0		0		4.0	-	-	-	
MRR	2565	Perform alignment of the grid pulser.	B,R	-	L	-	-	-	*		0		0		4.0	-	-	-	
MRR	2566	Perform corrective maintenance on the MRR digital target extractor (DTE)/extended range processor (ERP).	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MRR	2567	Perform corrective maintenance on the MRR radar control panel (1A13).	B	-	L	-	-	-	*		0		0		4.0	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MRR	2568	Perform corrective maintenance on an MRR radar secondary reparable item.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
MRR	2569	Verify data output from MRR.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
<b>TOTAL MEDIUM RANGE RADAR (MRR) STAGE</b>										0	0	0	0	30	74.0				
<b>MAINTENANCE MANAGEMENT (MMGT)</b>																			
MMGT	2600	Ensure preparatory measures are taken for disposition of equipment.	B	-	L	-	-	-	*	0	0	0	0	3.0	2150	-	-	-	
MMGT	2601	Create a Preventive Maintenance Checks and Services (PMCS) schedule.	B	-	L	-	-	-	*	0	0	0	0	1.0	2151	-	-	-	
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B,R	-	L	-	-	-	*	0	0	0	0	4.0	2159	-	-	-	
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
MMGT	2604	Define RA with regards to O&M funds.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
MMGT	2605	Define PE with regards to O&M funds.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2159, 2231, 2238	-	-	-	
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150	-	-	-	
MMGT	2608	Inspect maintenance functional areas.	B,R	-	L	-	-	-	*	0	0	0	0	16.0	2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238	-	-	-	
MMGT	2609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
MMGT	2610	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
MMGT	2611	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*	0	0	0	0	40.0	-	-	-	-	
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*	0	0	0	0	1.5	2150, 2159	-	-	-	



TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MMGT	2613	Identify the functions of maintenance management.	B	-	L	-	-	-	*		0		0		13.0	2602, 2603, 2609, 2611	-	-	-
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*		0		0		1.0	2159	-	-	-
<b>TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE</b>										0	0	0	0	15	93.5				
<b>OPERATIONAL MANAGEMENT (OMGT)</b>																			
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	2681	Determine required equipment to support a mission.	B,R,M	-	L	-	-	-	365		0		0		2.0	-	-	-	-
OMGT	2682	Conduct communications portion of a site survey.	B,R,M	-	L	-	-	-	1460		0		0		4.0	-	-	-	-
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*		0		0		3.0	2691	-	-	-
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*		0		0		1.0	2687	-	-	-
OMGT	2686	Write a packing list.	B,R,M	-	L	-	-	-	1460		0		0		8.0	-	-	-	-
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
OMGT	2688	Identify power requirements.	B,R,M	-	L	-	-	-	365		0		0		4.0	-	-	-	-
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
<b>TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE</b>										0	0	0	0	13	39.0				
<b>TOTAL CORE SKILL PHASE (2000 PHASE)</b>										0	0.0	0	0.0	172	523.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>MISSION SKILL TRAINING (3000 PHASE EVENTS)</b>																			
<b>INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2250, 2251, 2252, 2253, 2254	-	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2255, 2256, 2257, 2258	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>										0	0	0	0	2	8.0				
<b>INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>										0	0	0	0	1	4.0				
<b>INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>										0	0	0	0	1	4.0				
<b>LONG RANGE RADAR (LRR)</b>																			
LRR	3514	Ensure the LRR radar system is properly assembled.	B	-	L	-	-	-	*		0		0		8.0	2480, 2483	-	-	-
LRR	3515	Ensure the LRR radar system is properly disassembled.	B	-	L	-	-	-	*		0		0		8.0	2480, 2512	-	-	-
LRR	3516	Deploy a long range radar system ISO operations.	B	-	L	-	-	-	*		0		0		12.0	2480, 2482, 2483, 2502, 2512	-	-	-
LRR	3517	Perform system troubleshooting on the LRR.	B	-	L	-	-	-	*		0		0		8.0	2480, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500	-	-	-
LRR	3518	Plan for and coordinate efforts in deploying a long range radar system.	B	-	L	-	-	-	*		0		0		12.0	2480, 2482	-	-	-
LRR	3519	Verify the configuration of the LRR.	B,R,M	-	L	-	-	-	730		0		0		2.0	2481, 2485, 2503	-	-	-
LRR	3521	Establish a remote radar link between a C2 node and an LRR system.	B,R,M	-	L	-	-	-	1095		0		0		8.0	2502	-	-	-
<b>TOTAL LONG RANGE RADAR (LRR) STAGE</b>										0	0	0	0	8	58.0				
<b>MEDIUM RANGE RADAR (MRR)</b>																			
MRR	3580	Verify the configuration of the MRR for an operational environment.	B,R,M	-	L	-	-	-	730		0		0		2.0	2541, 2548, 2549	-	-	-
MRR	3581	Ensure the proper setup the MRR.	B	-	L	-	-	-	*		0		0		8.0	2540, 2547	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MRR	3582	Deploy a MRR ISO operations.	B	-	L	-	-	-	*		0		0		12.0	2540, 2541, 2546, 2547, 2549	-	-	-
MRR	3583	Perform system troubleshooting on the MRR.	B,R	-	L	-	-	-	*		0		0		8.0	2540, 2541, 2543, 2548, 2549, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568	-	-	-
MRR	3584	Plan for and coordinate efforts in deploying a MRR system.	B	-	L	-	-	-	*		0		0		12.0	2540, 2550	-	-	-
TOTAL MEDIUM RANGE RADAR (MRR) STAGE										0	0	0	0	5	42.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
MMGT	3662	Assess maintenance funding requirements.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	3	6.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3714	Deploy a maintenance capability.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	6	19.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	3750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3752	Identify DASC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MACG	3754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	
MACG	3755	Identify MATC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	
MACG	3756	Draw a Communications Diagram for the agencies within the MACG.	B,R,M	-	L	-	-	-	1095		0		0		2.0	3750, 3751, 3752, 3753, 3754, 3755	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	5	8.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0.0	0.0	0.0	0.0	31.0	149.0				
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
LONG RANGE RADAR (LRR)																			
LRR	4520	Install and operate the Radar Environment Simulator (RES)	B	-	L	-	-	-	*		0		0		8.0	-	-	-	
TOTAL LONG RANGE RADAR (LRR) STAGE										0	0	0	0	1	8.0				
MEDIUM RANGE RADAR (MRR)																			
MRR	4590	Establish a remote radar link between a C2 node and a MRR system.	B	-	L	-	-	-	*		0		0		8.0	2150, 2151, 2153, 2170, 2174, 2176, 2190, 2191, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL MEDIUM RANGE RADAR (MRR) STAGE										0	0	0	0	1	8.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	2	16.0				
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0	0.0	205	688.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1.0	Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																					
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME						
<b>SENIOR INSTRUCTOR (SI)</b>																					
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-		
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-		
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-		
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2.0	5000, 5010, 5020, 6320	-	-	-		
<b>TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)</b>										0	0	0	0	4	8.0						
<b>TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)</b>										0	0	0	0	7	13.0						
<b>REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)</b>																					
<b>QUALIFICATIONS (QUAL)</b>																					
QUAL	6102	Qualification as an Aviation Radar Basic Technician (ARBT).	B	-	L	-	-	-	*		0		0		0.5	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			-	-	
QUAL	6103	Qualification as an Aviation Radar Advanced Technician (ARAT).	B	-	L	-	-	-	*		0		0		0.5	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028			-	-	-
<b>TOTAL QUALIFICATIONS STAGE (QUAL)</b>										0	0	0	0	2	1.0						

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>CERTIFICATION (CERT)</b>																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	-	*		0		0		4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	-	*		0		0		4	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	-	*		0		0		4	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-
<b>TOTAL CERTIFICATION STAGE (CERT)</b>										0	0	0	0	2	12.0				
<b>DESIGNATIONS (DESG)</b>																			
DESG	6303	Designation as an Aviation Radar Chief (ARC).	B	-	L	-	-	-	*		0		0	0.5	2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6304	Designation as an Aviation Radar Chief 63 (ARC63).	B	-	L	-	-	-	*		0		0		0.5	2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2354, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3580, 3581, 3582, 3583, 3584, 3660, 3661, 3710, 3711, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6305	Designation as an Aviation Radar Maintenance Chief (ARMC).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2152, 2153, 2154, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 3514, 3515, 3516, 3517, 3518, 3519, 3521, 3660, 3661, 3662, 3710, 3711, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-	
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2195, 2230, 2350, 2351, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2497, 2500, 2508, 2509, 2510, 2511, 2512, 3715, 5000, 5010, 5020, 6102, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	



TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	-	*		0		0		1	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2235, 2236	-	-	-
DESG	6341	Designation as a Maintenance HAZMAT NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2235, 2236	-	-	-
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2234	-	-	-
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2233	-	-	-
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2231	-	-	-
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2232, 2234	-	-	-
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	-	*		0		0		1	2230, 2237	-	-	-

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	-	*		0		0		1	2159, 2230, 2602	-	-	-
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	-	*		0		0		1	2230	-	-	-
DESG	6350	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	-	*		0		0		1	2150, 2151, 2153, 2158, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2240, 2243, 2350, 2351, 2352, 2353, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2606, 2614, 2687, 2688, 2690, 3517, 3521, 3660, 3715, 6103, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL DESIGNATION (DESG) STAGE										0	0	0	0	15	13.0				
SCHOOL CODES (SCHL)																			
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										0	0	0	0	0	0.0				

TAOC MOS 5948 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										0	0.0	0	0.0	4	14.0				

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5.19 ADDITIONAL MATRICES. None

5.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

5.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

5.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 6

DATA SYSTEMS MAINTENANCE OFFICER (MOS 5970)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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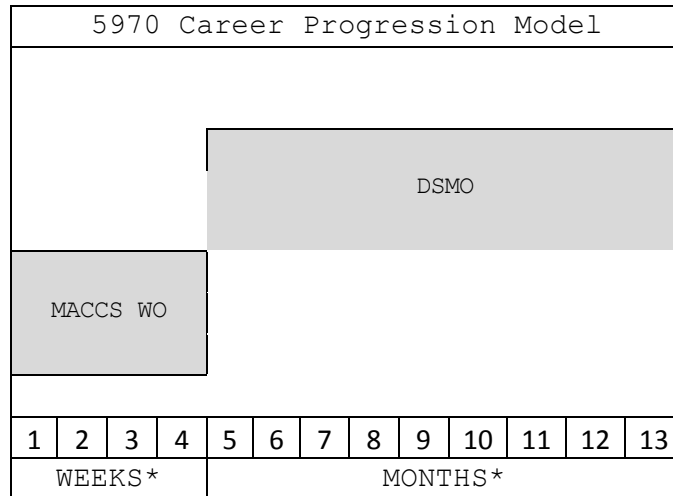
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CHAPTER 6

DATA SYSTEMS MAINTENANCE OFFICER (MOS 5970)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

6.0 DATA SYSTEMS MAINTENANCE OFFICER /5970 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

6.1 5970 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



\* Months indicated are training months, not calendar months.

6.2 ABBREVIATIONS

<b>TAOC MAINTENANCE MOS 5970</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
<b>CORE SKILL (2000 Phase)</b>	
COMSEC	COMMUNICATION SECURITY
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT

OMGT	OPERATIONAL MANAGEMENT
<b>MISSION SKILL (3000 Phase)</b>	
EWC	EARLY WARNING AND CONTROL SITE
EQUIP	EQUIPMENT
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
ARMO	DATA SYSTEMS MAINTENANCE OFFICER
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN

### 6.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP



<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

6.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

6.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

6.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

6.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

6.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

6.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5970					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
COMSEC	2190R	COMSEC	2190	COMSEC	2190
COMSEC	2191R	COMSEC	2191	COMSEC	2191
COMSEC	2192R	COMSEC	2192	COMSEC	2192
COMSEC	2193R	COMSEC	2193	COMSEC	2193

COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195	COMSEC	2195
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2200				
COMSEC	2201				
COMSEC	2202				
COMSEC	2203				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
FAM	2223				
IAWFAT	2250				
IAWFAT	2251				
IAWFAT	2252				
IAWFAT	2253				
IAWFAT	2254				
IAWFAT	2255				
IAWFAT	2256				
IAWFAT	2257				
IAWFAT	2258				
IAWFNT	2259				
IAWFNT	2260				
IAWFNT	2261				
IAWFNT	2262				
IAWFNT	2263				
IAWFST	2264				
IAWFST	2265				
IAWFST	2266				
IAWFST	2267				
IAWFST	2268				
IAWFST	2269				
EQUIP	2436				
EQUIP	2437				
EQUIP	2438				
MMGT	2615				
MMGT	2616				
MMGT	2617				
MMGT	2618				

MMGT	2619				
MMGT	2620				
MMGT	2621				
MMGT	2622				
MMGT	2623				
MMGT	2624				
MMGT	2650R	MMGT	2650R	MMGT	2650R
OMGT	2695				
OMGT	2696				
OMGT	2697				
OMGT	2698				
OMGT	2699				
OMGT	2700				
OMGT	2701				
MISSION SKILL (3000 Phase)					
<b>STAGE</b>	<b>CODE</b>	<b>STAGE</b>	<b>CODE</b>	<b>STAGE</b>	<b>CODE</b>
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
EQUIP	EQUIP-3454R	EQUIP	EQUIP-3450R	EQUIP	EQUIP-3450R
OMGT	OMGT-3716	OMGT		OMGT	
	OMGT-3718R		OMGT-3718R		OMGT-3718R
MISSION SKILL (3000 Phase)					
<b>STAGE</b>	<b>CODE</b>	<b>STAGE</b>	<b>CODE</b>	<b>STAGE</b>	<b>CODE</b>
EQUIP	4455	EQUIP		EQUIP	
	4456				
	4457				
	4458				
	4459				
	4460				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

6.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed

in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

6.5.1 INSTRUCTOR DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5970 INSTRUCTOR DESIGNATIONS (5000 Phase)</b>	
<b>INSTRUCTOR DESIGNATION</b>	<b>EVENTS</b>
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5000, 5010, 5020, 5100, 5110, 5120, 5130
WEAPONS AND TACTICS INSTRUCTOR (WTI)	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

6.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

<b>TAOC MAINTENANCE MOS 5970 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)</b>	
<b>RCQD</b>	<b>EVENTS</b>
COMPTIA A+ Technician (CAT) (CERT-6200)	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
COMPTIA NETWORK+ Technician (CNT) (CERT-6201)	2259, 2260, 2261, 2262, 2263, 3282
COMPTIA SECURITY+ Technician (CST) (CERT-6202)	2264, 2265, 2266, 2267, 2268, 2269, 3283
DATA SYSTEMS MAINTENANCE OFFICER (DSMO) (DESG-6306)	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

6.6 5910 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

6.6.1 Basic POI

<b>TAOC MAINTENANCE 5970 BASIC POI</b>		
<b>WEEKS<sup>1</sup></b>	<b>PHASE OF INSTRUCTION</b>	<b>UNIT RESPONSIBLE</b>
0-4	CORE SKILL INTRODUCTION TRAINING	MCCES
5-10	CORE SKILL TRAINING	TACTICAL SQUADRON
11-15	MISSION SKILL TRAINING	TACTICAL SQUADRON

6.6.2 Refresher POI

TAOC MAINTENANCE MOS 5970		
REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

6.7 SYLLABUS NOTES

6.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

6.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.

<b>TEN+</b>	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

6.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	<b>B</b>	Initial MOS Training
Refresher	<b>R</b>	Return to community from non (MOS/Skill) associated tour
Maintain	<b>M</b>	All individuals who have attained CSP/MSP/CPD by initial POI assignment are re-assigned to the M POI to maintain proficiency.

6.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

6.8 ACADEMIC PHASE (0000)

6.8.1 Purpose. **RESERVED FOR FUTURE USE**

6.8.2 General

6.8.2.1 Admin Notes.

6.8.2.2 Prerequisites.

6.8.2.3 Stages.

6.9 CORE SKILL INTRODUCTION PHASE (1000)

6.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5970 Data Systems Maintenance Officer. This

training is completed upon graduation from the MACCS Maintenance Warrant Officer Course.

6.9.2 General.

6.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

6.9.2.2 Admin Notes. None

6.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
6.9.3	AIR SCHOOLS (AIRS) STAGE

6.9.3 AIR SCHOOLS (AIRS) STAGE

6.9.3.1 Purpose. To train Aviation Radar Maintenance Officer and Data System Maintenance Officers in core skill introduction phase training events.

6.9.3.2 General

Prerequisite. MOS 5910 or 5970.

Admin Notes. Hours are not utilized in the header information for each of the blocks of training provided by MCCES. MACCS Warrant Officer Course (CID: M099681), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1001                      \*                      B    E    G

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

AIRS-1002                   \*           B                                   E                                   G

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Goal. Conduct an inspection of maintenance functional areas.

Requirement. Given required references and a current inspection checklist, demonstrate the procedures for inspecting the following functional areas:

1. State the purpose for inspecting the functional areas.
2. Identify and review the references for each functional area and obtain applicable and current inspection lists for all.
3. Conduct an inspection of all areas to familiarize the trainee with the specifics of each.
  - a. Calibration Control Program.
  - b. Publication Control Program.
  - c. Quality Assurance Program.
  - d. Preventive Maintenance Program.
  - e. Modification Control Program.
  - f. Tool Control Program.
  - g. MIMMS.
  - h. Training Program.
  - i. Records.
  - j. Safety Program.
  - k. Corrosion Prevention and Control CPAC.
4. Explain the inspection procedures.
  - a. Schedule the inspection.
  - b. Inform functional area manager.
  - c. Turn over folders are IAW the references.
  - d. Submit an executive summary at the conclusion of the inspection.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_ MCO P4400.82\_



2. MCO P4400.160B
3. MCO P4400.150
4. MCO 4855.10\_ MCO 4790.18\_ MCO 4733.1\_ MCO 4450.12\_ MCO 4400.16\_ MCO 4105.2\_
5. UM-PLMS W CH 1-2
6. NAVMC DIR 5100.8
7. NAVMC 2761 DTD 1 JUN 08
8. MCO P5215.17\_
9. MCO P5102.1\_ MCO P5090.2\_ MCO 5104.2
10. MCO 5104.1\_,
11. MCO 5100.8
12. MCO 5100.29\_ MCO 3000.11\_ M MCO 3710.6
13. MCO 1553.3 (PRELIM) MCO 3500.14

AIRS-1003                      \*              B    E    G

Goal. Identify the key elements of Operational Orders (OPORD).

Requirement. Given an OPORD, identify those key elements pertaining to the unit's communications requirements, perform the following:

1. Identify the purpose and major sections of the OPORD.
2. State the purpose and content of the Annex K.
  - a. State the purpose and content of the OPTASKLINK.
  - b. State the purpose and content of an EKMS Callout.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1

AIRS-1004                      \*              B    E    G

Goal. Reconcile Marine Corps Integrated Maintenance Management System (MIMMS) Automated Information System (AIS) reports.

Requirement. Given the AIS reports listed in item 1 below:

1. Identify the purpose of:
  - a. Daily Process Report (DPR).
  - b. Logistics Maintenance 2 (LM2).
  - c. Daily Transaction List (DTL).
  - d. Exceptions Report.
  - e. TAM report.

- f. LM2 report.
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Equipment Record Order (ERO) NAVMC 10425.
  - j. Equipment Record Order Supply Listing (EROSL) NAVMC 10925.
  - k. Inspection repair tag (NAVMC 1018).
  - l. Layette bin.
2. Identify the type of information contained in each of the forms listed above.
  3. Identify the status of a parts requisition.
  4. Identify proper use of UMMIPS priorities.
  5. State item requisition priorities.
  6. State any errors found within each of the forms listed above.
  7. Reconcile all items listed above and list all errors found in each form.
  8. Explain how to maintain a layette bin.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000\_
3. NAVMC 10425
4. NAVMC 10925
5. UM 4790-5
6. MCO P4400.16
7. TM 4700.15/1\_

AIRS-1005                    \*            B    E    G

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Goal. Identify the services provided by Marine Wing Communications Squadron.

Requirement. Given the references, describe the following services:

1. Single Channel Radio Communications.
2. Wide Area Networks (WAN) / Local Area Networks (LAN) Communications.
3. Electronic Message Communications.
4. Telephone Communications.
5. Digital Backbone.
6. Communications Control.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3 MAGTF communications system
2. MCWP 3-25 Control of Aircraft and Missiles

AIRS-1006 \* B E G

Goal. Identify Information Assurance requirements for tactical employment of information systems.

Requirement. Given the reference, perform the following:

1. Identify the Accreditation package requirements.
2. Explain the purpose of the Authority to Operate (ATO).
3. Explain configuration management and its relationship to IA.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD Directive 5200.28
2. DOD Directive 5200.40
3. MCO P5239.1B

AIRS-1007 \* B E G

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1008                    \*            B    E    G

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

AIRS-1009                    \*            B    E    G

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

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AIRS-1010                   \*           B   E   G

Goal. Analyze the TO/E.

Requirement. Given a TO/E, explain the following:

1. Mission statement.
2. Billet Organization.
3. Equipment Organization.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. URL <https://tfsms.mccdc.usmc.mil>
2. MCO 5311.1\_

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AIRS-1011                   \*           B   E   G

Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Submit frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Submit Satellite Access requirements.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40
2. MCO 2400.2

AIRS-1012 \* B E G

Goal. Identify the embarkation requirements for the major end items of the TACC, DASC, TAOC, and EW/C.

Requirement. Given the reference, list:

1. Hazardous Material requirements.
2. Security requirements.
3. Material Handling Equipment requirements.
4. Equipment specific transportation requirements.
5. Identify MAGTF Deployment Support System II (MDSS II) elements.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4030.33
2. MCRP 4-11

AIRS-1013 \* B E G

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

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AIRS-1014                    \*            B    E    G

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

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AIRS-1015                    \*            B    E    G

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, perform the following:

1. Data systems.

2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

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AIRS-1016                   \*           B   E   G

Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, identify the process for submission and complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Describe the process of completing an Urgent UNS form.
5. Describe the process of completing a deliberate UNS form.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17

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AIRS-1017                   \*           B   E   G

Goal. Validate induction of new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and



validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation IAW the reference.
  - b. Ensure initial SL-3 was performed.
  - c. Ensure an initial LTI was performed.
  - d. Ensure induction of new equipment into calibration cycle a required.
  - e. Ensure equipment is accounted for within EKMS as required.
  - f. Ensure the equipment and proper documentation was sent to Supply.
  - g. Ensure supply received the proper documentation to add equipment to the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1
6. MCO P4400.82
7. UM 4400.124

AIRS-1018                    \*            B    E    G

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Goal. Demonstrate the process to phase out obsolete equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for

disposition - was submitted using the WOLPH.

d. Ensure equipment was disposed of IAW instructions in Phase out plan.

e. Ensure the record jackets were completed and accompanied equipment.

f. Ensure the equipment and proper documentation was sent to Supply for turn-in.

g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82
6. UM 4400.124

AIRS-1019                   \*           B   E   G

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Goal. Identify maintenance funding requirements.

Requirement. Given a scenario, equipment maintenance history and anticipated maintenance shortfalls, propose funding allocations for maintenance activities to create a maintenance budget.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirement and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.
4. Submit a budget request to the instructor for validation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

AIRS-1020                   \*           B   E   G

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Goal. Identify the SECREP management process.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG
4. MCO P4400.82F,
5. MCO P4400.151B  
(ADD REFTS)

AIRS-1021                   \*           B   E   G

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Goal. Identify DOD Information Assurance Workforce structure.

Requirement. Given the reference, identify:

1. The IA categories.
2. Requirements for IA categories.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.01-M

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AIRS-1022                   \*           B   E   G

Goal. Access published information within TFSMS.

Requirement. Given access to TFSMS, complete the following:

1. Access unit TO/E.
2. Access standard reports.
3. Create custom reports.
4. Manage custom reports.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. URL <https://tfsms.mccdc.usmc.mil>
2. MCO 5311.1\_

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AIRS-1023                   \*           B   E   G

Goal. Describe readiness ratings within DRRS-MC.

Requirement. IAW the reference, describe the following:

1. Describe P-rating.
2. Describe S-rating.
3. Describe R-rating.
4. Describe T-rating.
5. Describe C-level assessment.
6. Identify how the Commander will assess their METs.
  - a. Yes.
  - b. Qualified Yes.
  - c. No.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14C
2. MCO 3000.13 MARINE CORPS READINESS REPORTING STANDARD OPERATING PROCEDURES (SOP)

AIRS-1024 \* B E G

Goal. Explain the product quality deficiency report (PQDR).

Requirement. Given the reference, an item of equipment or a scenario, identify the following:

1. Purpose of the PQDR.
2. Criteria under which a PQDR should be submitted.
3. Information required for submitting a PQDR.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400-124
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program)
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>

AIRS-1025 \* B E G

Goal. Identify major funding lines.

Requirement. Given the references, identify major funding lines:

1. Operation & Maintenance (O&M) Funds.
  - a. Planning Estimate (PE).

- (1) Direct Support Stock Center (DSSC).
- (2) Temporary Additional Duty.
- (3) Fuel.
- (4) Government-Wide Commercial Purchase Card Program (GCPC).

b. Requisition Authority (RA) - Supported Activities Supply System (SASSY).

2. Research, Development, Test & Evaluation (RDT&E).
3. Procurement Marine Corps (PMC).
4. Military Construction (MILCON).
5. Blue Dollars (2F Funds).

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

AIRS-1026 \* B E G

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Goal. State the duties of the responsible Officer.

Requirement. IAW the reference and given a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Describe the process of the CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine UURI requirements.
  - c. Ensure equipment have record jackets.
  - d. Identify discrepancies, if any.
4. State the purpose for the letter of RFI.
5. State the purpose of the delegation of authority.
6. State the purpose of the Responsible Individual (RI).
7. State the purpose for maintaining source documents.

Performance Standard. Pass an Exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2
2. CMR
3. MMO SOP

6.10 CORE SKILL TRAINING (2000)

6.10.1 Purpose. To develop core skill proficiency for 5910 personnel to be able to perform duties while assigned as the DMO.

6.10.2 General.

6.10.2.1 Prerequisite.

6.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

6.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
6.10.3	COMMUNICATION SECURITY (COMSEC)
6.10.4	FAMILIARIZATION (FAM)
6.10.5	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
6.10.6	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
6.10.7	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
6.10.8	EQUIPMENT (EQUIP)
6.10.9	MAINTENANCE MANAGEMENT (MMGT)
6.10.10	OPERATIONAL MANAGEMENT (OMGT)

6.10.3 COMMUNICATION SECURITY (COMSEC) STAGE

6.10.3.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

6.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.



Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2192 2.0 365 B, R, M L

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Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2193 2.0 365 B, R, M L

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Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B, R L

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Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

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Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

COMSEC-2196 2.0 \* B L

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Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

COMSEC-2198 1.0 \* B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

COMSEC-2200 4.0 \* B L

Goal. Validate physical security of classified areas.

Requirement. Given a scenario and references, validate physical security requirements of classified areas. Validate the following:

1. Guard schedule.
2. Entry control point.
3. Access Roster.
4. Perimeter.
5. Physical security diagram.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2201 4.0 \* B L

Goal. Verify the proper use of a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device:

1. Describe the purpose of common fill device.
2. Describe a common fill device loading procedure.
3. Verify the configuration the common fill device.
4. Identify common fill device indicators and messages.
5. Verify the transfer of key material to Controlled Cryptographic Item (CCI) equipment.

Performance Standard. With the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190, 2195

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. SKL
3. Applicable TM for CCI

COMSEC-2202 4.0 \* B L

Goal. Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.

Requirement. Perform the Following:

1. Inventory all CCI on the SF-153.
2. State the purpose of each piece of equipment.

Performance Standard. Without the aid of references, physically identify the above items and describe the use for each without error. This must be completed with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2190, 2193

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 2000-OD/2C Characteristics of US Marine Corps C&E Equipment
2. Fill device user's manual

COMSEC-2203 4.0 \* B L

Goal. Identify equipment classification requirements.

Requirement. Given the references, identify the classification level of the following:

1. Hardware.
2. Software.
3. Technical manuals.

Performance Standard. Without the aid of reference, complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit T/E, Unit SOP

#### 6.10.4 FAMILIARIZATION (FAM) STAGE

6.10.4.1 Purpose. To familiarize the trainee on non-MOS equipment.

6.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

FAM-2219    1.0    \*    B    \_\_\_\_\_    L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

FAM-2220 1.0 \* B L

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Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 \* B L

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Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.



Reference.

1. UM 2005

FAM-2222 1.0 \* B L

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Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 \* B L

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Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143
4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

6.10.5 INFORMATION ASSURANCE WORK FORCE A+ (IAWFAT) STAGE

6.10.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFAT-2252 4.0 \* B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.

4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 \* B E L

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Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 \* B E L

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Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 \* B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.10.6 INFORMATION ASSURANCE WORK FORCE NETWORK+ (IAWFNT) STAGE

6.10.6.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.



Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.

5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 6.10.7 INFORMATION ASSURANCE WORK FORCE SECURITY+ (IAWFST) STAGE

6.10.7.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.10.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability

(CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFST-2268 4.0 \* B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFST-2269 4.0 \* B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 6.10.8 EQUIPMENT (EQUIP) STAGE

6.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 6.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-2436 4.0 \* B L

Goal. Review system troubleshooting on the TDS equipment within the TAOC.

Requirement. Given the references, a core capable crew, appropriate tools, TMDE, and a command and control system; complete the follow for each systems below:

1. Monitor the operational checks and alignments of each system as required.
  2. Identify and review symptoms of a fault within each system.
  3. Review the fault to the line replaceable unit within each system.
- MTAOM  
-CTN  
-CAC2S

Performance Standard. Perform the requirement to a proficient level

(correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

EQUIP-2437 4.0 \* B L

Goal. Verify system configuration of tactical data systems within the TAOC.

Requirement. Given the references, an emplaced system, and a core capable crew, verify equipment configuration and direct operational assessment within the system to include the following:

1. Operations of the MTAOM.
  - a. Voice Communications Equipment.
  - b. Digital Communications Equipment.
  - c. Data Processing Equipment.
  - d. Operator Interface Equipment.
2. Operation of the CAC2S
3. Operations of the CTN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TM 11399A-OI/1 JRE Operations and Maintenance Instructions

EQUIP-2438 4.0 \* B L

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Goal. Plan for deployment of Tactical Data Systems.

Requirement. Complete the following events:

1. Establish an accurate equipment density list.
2. Establish an accurate packing list.
3. Establish an accurate T/O list.
4. Coordinate proper heavy lifting support.
5. Establish an accurate bill of materials list.
6. Coordinate COMSEC support.
7. Identify communication requirement.
9. Establish an accurate SECREP list required for deployment.
10. Identify a key contacts list for intra squadron section.
11. Identify and request fuel requirements.
12. Identify and request power requirements.
13. Coordinate with MMO for proper procurement procedures during deployment.
14. Identify and request environmental condition unit requirements.
15. Identify and request appropriate transportation requirements.
16. Identify facility requirements.
17. Obtain letter of instruction for deployment.
18. Inspect gear required on the gear list for individual Marines for deployment.
19. Familiarize the Marines with emergency action plan for deployment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Group/Squadron/Shop Standard Operating Procedures

#### 6.10.9 MAINTENANCE MANAGEMENT (MMGT) STAGE

6.10.9.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.



6.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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MMGT-2615 6.0 \* B L

Goal. Identify the requirements for a Pre-extended Bin (PEB).

Requirement. Given the references, end item or scenario, identify and provide the following:

1. Describe the purpose of the PEB.
2. Identify PEB constraints; cost and consumption.
3. Describe proper accountability and usage of PEB material.
4. Provide an authorization request and inventory of PEB material.
5. Describe actions required within Global Combat Support System-Marine Corps (GCSS-MC).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C W/CH. 1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. MCBUL 3000 (Current FY)
4. Planner 101 course
5. [https://gcssmc-sso.csd.disa.mil/gcssmc\\_portal/training.html](https://gcssmc-sso.csd.disa.mil/gcssmc_portal/training.html)

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MMGT-2616 6.0 \* B L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. Ensure the timely performance of all corrective maintenance actions per the references.

1. Verify the induction process:
  - a. Confirm SL-3 accountability.
  - b. Ensure visual inspection occurs.

- c. Verify record jacket.
- d. Verify proper organizational PM.
2. Ensure correctness of Service Request (SR) and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered and correctness of SR.
6. Ensure faulty item is repaired to code A status.
7. Ensure safety measures are adhered to during repair process.
8. Conduct quality control procedures:
  - a. Review quality control procedures.
  - b. Verify quality control inspectors based on individual qualifications on equipment are assigned in writing.
9. Verification of MI and TI.
10. Verify proper closeout of SR.
11. Ensure equipment record jacket is updated.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

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MMGT-2617    6.0    \*    B    L

Goal. Identify Critical Low Density SECREP assets and required on-hand quantities.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review them and provide recommendations for organizational Critical Low Density SECREP assets and required on-hand quantities. Write a "justify non-demand supported secrep allowances" letter as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG
4. Reference is MCO P440.151B

MMGT-2618 6.0 \* B L

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Goal. Develop a maintenance section budget.

Requirement. Utilizing equipment maintenance history and forecasting anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Provide maintenance funding request based on current requirements while considering prior year utilization history.
  - a. Preventive Maintenance.
  - b. Corrective Maintenance.
2. Draft an anticipated maintenance funding request based on the unit's TEEP to support.
  - a. Personnel travel requirements.
  - b. Administrative support requirements (SERVMART).
3. Submit funding request with justification.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

MMGT-2619 6.0 \* B L

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Goal. State the process to submit a Table of organization and

equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1\_
2. Unit TO&E

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MMGT-2620    6.0    \*    B    L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2
2. CMR
3. MMO SOP

MMGT-2621 4.0 \* B L

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Goal. Draft a Using Unit Responsibility Items (UURI) authorization letter.

Requirement. Given the reference, complete the following:

1. Identify required UURI.
2. Draft a UURI authorization letter.

Performance Standard. Submit to the evaluator the correctly formatted UURI authorization letter that identifies required quantities of all UURI IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Applicable end item SL-3
3. SecNavInst 5216.2\_
4. MCO P4400.150\_
5. Unit MMSOP

MMGT-2622 4.0 \* B L

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Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a scenario, conduct the following:

1. State the purpose of the WIR.
2. State the criteria under which an item should be processed for WIR.
3. State the information required to submit a WIR request.
4. State the submission procedures for a WIR request.
5. State the method to follow up on WIR submissions.
  - a. WIR on-line Process Handler.
  - b. Weekly Supply reconciliation.
6. Explain disposition instruction.

Performance Standard. Correctly state the items in the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400
3. MCOP4400.82F

MMGT-2623 4.0 \* B L

Goal. Submit a maintenance cycle time extension letter.

Requirement. Given the reference, equipment, and applicable equipment records conduct the following:

1. Identify maintenance cycle time requirement.
2. Draft a maintenance cycle time extension letter.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure the justification meets the requirements.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. Applicable end item technical manual

3. NAVMC 5216.2\_
4. Unit MMSOP

MMGT-2624 4.0 \* B L

Goal. Submit a Product Quality Deficiency Report (PQDR).

Requirement. Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. UM-4400-124\_
3. Unit MMSOP
4. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
5. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program)
6. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>
7. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/online\\_train.htm](https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm)

MMGT-2650 4.0 1095 B, R, M L

Goal. Assess maintenance shop performance.

Requirement. Given the references, perform the following:

1. Determine key performance indicators.
2. Determine functional areas to be inspected.
3. Develop an inspection plan.
4. Assign personnel to conduct inspections.
5. Review results.
6. Assess strengths and weaknesses.
7. Develop/implement a corrective plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. CGI checklist
3. FSMAO inspection checklist
4. MMO SOP

#### 6.10.10 OPERATIONAL MANAGEMENT (OMGT) STAGE

6.10.10.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 6.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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OMGT-2695    6.0    \*    B    L

Goal. Design a site layout.

Requirement. Given a scenario, the references, a TO/E and mission statement, determine an appropriate site for system emplacement by designing a site layout by performing the following:

1. Conduct a site survey.
2. Determine a primary and secondary site location.
3. Analyze terrain to:
  - a. Determine tactical orientation and equipment emplacement.
  - b. Determine obstructions and hazards.
  - c. Determine communications requirements and obstacles.
  - d. Determine operational footprint.
  - e. Determine power and fuel requirements.
  - f. Determine the placement for vehicles.
  - g. Determine the placement for antennas.
  - h. Determine proper grounding system.



- i. Determine protection from the elements.
- j. Determine Terrain Masking.
4. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity.
5. Design a site layout.
  - a. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Ordnance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.
6. Submit the site layout to the instructor for validation.

Performance Standard. The trainee will provide the instructor with reasoning for the following (instructors are encouraged to discuss site survey in depth with the trainee)

1. Selection of the primary and secondary site.
2. Site limitations for each site (if any).
3. How each site will support mission requirements?
4. Determine a security plan.
5. Draw the site layout to support the scenario.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.3
3. MCWP 3-25.4
4. MCWP 3-25.5
5. MCWP 3-25.6
6. MCWP 3-25.7
7. MCWP 3-25.8
8. MCWP 3-25.10
9. MCWP 5-1
10. IEEE C95.1-1991
11. NAVSHIPS 0967-317-7010
12. TM 9406-15
13. DODINST 6055.11
14. BUMED 6470.23
15. OPNAVINST 5100.23 Series
16. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
17. Navy Safety Center
18. MCO 5100.29\_
19. MCO 5104.2\_
20. MCO 5104.3\_

OMGT-2696 6.0 \* B L

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Goal. Prepare and present a command level brief for deployment.

Requirement. Given an OPORD and commander's intent, perform the following:

1. Prepare a brief that contains at minimum the following:
  - a. State the OPORD mission.
  - b. Maintenance essential tasks extracted from the OPORD.
  - d. List equipment requirements to support mission.
  - e. Define crew composition and management based on T&R CMMR.
  - i. Emplacement.
  - k. Redeployment plan.
  - l. State maintenance sustainment plan.
  - m. State supply support required.
  - n. State logistical support required.
  - o. Issues of concern.
2. Present the brief.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor will ensure the brief contains the requirement items and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. OPORD
2. Local Unit SOP
3. Local MMO SOP

OMGT-2697 6.0 \* B L

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Goal. Identify Operational Requirements.

Requirement. Given an OPORD, determine the operational requirement of the maintenance section to support the mission, to include:

1. Communication electronics equipment required.
  - a. Radio requirements.
  - b. Network requirements.
  - c. Radar requirements.
2. Engineering equipment.
  - a. Air conditioners.

- b. Heavy equipment.
- c. Generators.
- 3. Personnel required.
  - a. Identify minimum number of mission skilled maintainers per crew required to support the mission.
  - b. Identify minimum number of designated leaders required to support the mission.
  - c. List the administrative requirements for crew.
    - (1) Tactical license.
    - (2) Security Clearance.
- 4. Cryptographic equipment required.
- 5. Logistics support required.
- 6. Supply support required.
  - a. Bill of Material (BOM) requirements.
  - b. SECREP requirements.
- 7. Frequencies required.
  - a. Draft a frequency request. (TPS-63, TPS-59, IFF, Mode-4).
  - b. Draft a satellite access request.
- 8. Develop an Equipment Density List (EDL) for PEIs.
- 9. Draw a site layout plan.
- 10. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
- 11. Submit the site layout and brief the plan.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. Planning MCWP 5-1
- 2. MOS Manual
- 3. TM 2000
- 4. MCWP 3-40.3
- 5. CJCSM 6231
- 6. JT PUB Series 6-05
- 7. Chapter 1 of this Manual

OMGT-2698 4.0 \* B L

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Goal. Provide input for the operational plan.

Requirement. Given an operation and command guidance, provide input for the operations order:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the mission Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Provide input for mission execution.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. The instructor shall ensure that the communications portion of operation plan supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order

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OMGT-2699 4.0 \* B L

Goal. Organize and staff crew for deployment.

Requirement. Given a scenario and references, perform the following:

1. Integrate crew personnel.
  - a. Ensure minimum number of core skilled maintainers are assigned per this manual.
  - b. Ensure minimum number of designated leaders are assigned per this manual.
2. Administrate crew.
  - a. Tactical license.
  - b. Supply.
  - c. Orders.
  - d. Security Clearance.
  - e. Pay.
  - f. Courier Letter.
3. Conduct crew brief.

Performance Standard. Given a scenario, identify the requirements to establish a core capable crew, without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5

OMGT-2700 4.0 \* B L

Goal. Submit of a Bill of Material (BOM) request.

Requirement. Given TEEP documents and references, perform the following:

1. Collect requests from maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24 hour operations and for the length of the exercise, validate the content to ensure that it meets sustained operational requirement.
4. Submit a BOM request.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150E W/ERRATUM CH 1-2

OMGT-2701 4.0 \* B L

Goal. Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.

Requirement. Given references, ensure that all personnel are informed of and following all safety procedures and precautions during all phases of operation and maintenance by performing the following:

1. Prepare deliberate ORM for the given scenario.
2. Ensure all safety procedures/precautions are followed during embarkation.
  - a. Packing.
  - b. Loading.
3. Ensure all safety procedures/precautions are followed during employment.

- a. Set-up.
- b. Operations.
- 4. Ensure all safety procedures/precautions are followed during maintenance.
  - a. Personnel safety.
  - b. Equipment safety.

Performance Standard. Given a scenario and core competent crew, prepare ORM worksheets and verify safety procedures are followed. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable technical manuals
3. NAVMC DIR 5100.8

#### 6.11 MISSION SKILL TRAINING (3000)

6.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

6.11.2 General.

6.11.2.1 Prerequisite.

6.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as

not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

6.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
6.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
6.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
6.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
6.11.6	EQUIPMENT (EQUIP)
6.11.7	OPERATIONAL MANAGEMENT (OMGT)

6.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

6.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 4.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
4. Printers.
5. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 4.0 1095 B,R,M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
4. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

6.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 4.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-005.



Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
4. Network Management.
5. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

6.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

6.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

6.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 4.0 1095 B, R, M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
4. Cryptography.
5. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 6.11.6 EQUIPMENT (EQUIP) STAGE

6.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 6.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3454 4.0 365 B, R, M L

Goal. Verify operational configuration of Tactical Data Systems.

Requirement. Given the reference and an operational Tactical Data System, a core capable crew, operational documents, verify that the following supports the operations order:

-Voice communication configurations.

-Data communication configurations.

Tactical Data Link configurations.

ADPE configurations.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TM 11399A-OI/1 JRE Operations and Maintenance Instructions

#### 6.11.7 OPERATIONAL MANAGEMENT (OMGT) STAGE

6.11.7.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 6.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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OMGT-3716    6.0    \*    B    L

Goal. Deploy a maintenance section in support of unit operations.

Requirement. Given a scenario or operational deployment and commander's guidance, deploy the maintenance section:

1. Review and recommend changes to the operational plan.
2. Coordinate equipment support as required.
3. Review and recommend changes to the Bill of Materials.
4. Review and recommend SECREP requirements as required.
5. Supervise pack-up of equipment.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Review and approve EDL.
8. Determine maintenance requirements.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_

OMGT-3718 20.0 730 B, R, M L

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Goal. Deploy TDS capability ISO operations order.

Requirement. Given the reference, core capable crew(s), operational documents, TDS(s), complete the following:

1. Verify TDS site emplacement.
2. Verify TDS configuration.
3. Verify crew(s) are established.
4. Verify classified materials are managed.
5. Verify physical security.
6. Verify logistics support.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. To meet the requirement the TDS must be moved.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5.11.1A
2. MCWP 3-40.3
3. MCWP 3.25
4. MCWP 3-25.7
5. TM 08611B-OI VOL1 of 3 REV 1, Mobile Tactical Air Operations Module  
TM-11406A-OR/1-1, Composite Tracking Network  
DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual

6.12 CORE PLUS TRAINING (4000)

6.12.1 Purpose. To train the trainee on core plus concepts.

6.12.2 General.

6.12.2.1 Prerequisiste. None

6.12.2.2 Admin Notes. None

6.12.2.3 Stages. The following stage is included in the Core Plus Skill Phase of training.

PAR NO.	STAGE NAME
6.12.3	EQUIPMENT (EQUIP)

6.12.3 EQUIPMENT (EQUIP) STAGE

6.12.3.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

6.12.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-4455 4.0 \* B L

Goal. Identify hazards specific to the LRR and MRR.

Requirement. Given the references and an energized LRRS and MRRS, identify the following hazards:

1. RF.
2. Components.
3. Fire.
4. Suffocation.
5. Emplacement operations and maintenance.
6. Electro-static discharge.

Performance Standard. With the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR
2. TM 07736C 14/1-1

EQUIP-4456 4.0 \* B L

Goal. Review system troubleshooting on a MRR.

Requirement. Given the references, a mission capable crew, a de-

energized MRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Monitor the operational checks and alignments of the radar system.
2. Identify and review symptoms of a fault within the radar system.
3. review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C Series

EQUIP-4457 4.0 \* B L

Goal. Verify the MRR configuration.

Requirement. Given the reference, a mission capable crew, an operating MRR, and operational documents, complete the following:

1. Verify the appropriate radar frequency.
2. Verify the appropriate radar pulse width.
3. Verify the appropriate MTI range.
4. Verify the appropriate weather sector.
5. Verify the appropriate staggered PRF sector for the operational environment.
6. Verify the appropriate radar blanking sector.
7. Verify and/or adjust the manual STC curve to suit the operational environment.
8. Verify and/or adjust the manual ECM alarm to suit the operational environment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/3

EQUIP-4458 4.0 \* B L

Goal. Review system troubleshooting on a LRR.

Requirement. Given the references, mission capable crew, a de-energized LRRS radar with a fault in the system, tools and TMDE, complete the following:

1. Direct the operational checks and alignments of the radar system.
2. Identify and review symptoms of a fault within the radar system.
3. Review the fault to the line replaceable unit.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

EQUIP-4459 4.0 \* B L

Goal. Verify the LRR system configuration.

Requirement. Given the reference and an operational LRR, a mission capable crew, operational documents, verify the following:

- Radar Frequency.
- Physical Data.
- Atmospheric Data.
- External Alignment.
- IFF Control.
- SET Function Status.
- Platform Level.
- North Alignment.
- Mission.
- Weather Sectors.
- Blanking Sectors.
- Radar Control.

-Scan Rate.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR

EQUIP-4460 4.0 \* B L

Goal. Verify the configuration of the Interrogator Set.

Requirement. Given the references, a mission capable crew, operational documents, radar, and an Interrogator set verify the following:

1. cable configuration.
2. software parameters.
3. hardware configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Interrogator TM

#### 6.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

6.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

6.13.2 General.



6.13.2.1 Prerequisiste. None

6.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTPP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) Weapons and Tactics Instructor (WTI)

(4) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(5) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient
SI	Core Skill and Mission Skill events
WTI	Mission Skill and Qualification events. - Evaluate and recommend for qualification - Endorse recommendations for position designations
	The Commanding Officer is the approving authority for qualifications and designations.

6.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
6.13.3	INSTRUCTOR UNDER TRAINING (IUT)

6.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

6.13.3.1 Purpose. To train Aviation Radar Maintenance Officers in the fundamentals of instructing and training processes.

6.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

6.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

6.14.1 Purpose. This phase provides community standardization for MACCS Warrant Officer certifications and designations; combat leaders and instructor designations. This syllabus does not contain "one time" certification training requirements.

6.14.2 General.

6.14.2.1 Prerequisiste. None

6.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

6.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
6.14.3	CERTIFICATIONS (CERT)
6.14.4	DESIGNATION (DESG)
6.14.5	SCHOOL CODES (SCHL)

6.14.3 CERTIFICATIONS (CERT) STAGE

6.14.3.1 Purpose. To provide for certifications of Information Assurance

Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 6.14.3.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 4.0 \* B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6201 4.0 \* B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-005. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6202 4.0 \* B \_\_\_\_\_ L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

#### 6.14.4 DESIGNATIONS (DESG) STAGE

6.14.4.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 6.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6306 1.0 \* \_\_\_\_\_ L

Goal. Designation as the DSMO.

Requirement. Be recommended for designation by the unit WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 \* B L

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Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6321 1.0 \* B L

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Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6322 0.5 \* B

Goal. Designation as Weapons and Tactics Instructor (WTI).

Requirement. Be certified by MAWTS-1 as a WTI and be recommended for designation by the squadron WTI. The commanding officer will designate the WTI in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

#### 6.14.5 SCHOOL CODES (SCHL) STAGE

6.14.5.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5910 in the skill progression of the Marine.

#### 6.14.5.2 General

Prerequisite. None

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. None

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1

SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A

6.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

6.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

6.15.2 General

6.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

6.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

6.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
6.15.3	CONDITION (COND)

6.15.3 CONDITION (COND) STAGE

6.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

6.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

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Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements



4. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

#### 6.16 AVIATION CAREER PROGRESSION MODEL (8000).

6.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

6.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM

program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	<b>MAGTF</b>		1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	4000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	4000 PHASE

ACPM	8083	JOINT FIRE SUPPORT		4	4000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

6.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5970												
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX												
CORE SKILL (2000 Phase)												
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
	T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE			CODE
Describe proper handling and storage of classified materials.	COMSEC	2190	365		COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365		COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365		COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365		COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*		COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365		COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*		COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*		COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*		COMSEC	2198					2190	-
Validate physical security of classified areas.	COMSEC	2200	*		COMSEC	2200					2191, 2192	-
Verify the proper use of a Common Fill Device.	COMSEC	2201	*		COMSEC	2201					2190, 2195	-
Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.	COMSEC	2202	*		COMSEC	2202					2190, 2193	-
Identify equipment classification requirements.	COMSEC	2203	*		COMSEC	2203					2190	-
Familiarization with LRR equipment.	FAM	2219	*		FAM	2219					-	-
Familiarization with MRR equipment.	FAM	2220	*		FAM	2220					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*		FAM	2221					-	-
Describe TACLAN.	FAM	2222	*		FAM	2222					-	-

Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					-	-
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-
Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-
Explain access control and identity management.	IAWFST	2268	*	IAWFST	2268					-	-
Explain application, data and host security.	IAWFST	2269	*	IAWFST	2269					-	-
Review system troubleshooting on the TDS equipment within the TAOC.	EQUIP	2436	*	EQUIP	2436					-	-
Verify system configuration of tactical data systems within the TAOC.	EQUIP	2437	*	EQUIP	2437					-	-
Plan for deployment of Tactical Data Systems.	EQUIP	2438	*	EQUIP	2438					-	-
Identify the requirements for a Pre-extended Bin (PEB).	MMGT	2615	*	MMGT	2615					-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	2616	*	MMGT	2616					-	-
Identify Critical Low Density SECREP assets and required on-hand quantities.	MMGT	2617	*	MMGT	2617					-	-
Develop a maintenance section budget.	MMGT	2618	*	MMGT	2618					-	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2619	*	MMGT	2619					-	-
Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2620	*	MMGT	2620					-	-
Draft a Using Unit Responsibility Items (UURI) authorization letter.	MMGT	2621	*	MMGT	2621					-	-
Explain Recoverable Items Report (WIR) procedures.	MMGT	2622	*	MMGT	2622					-	-
Submit a maintenance cycle time extension letter.	MMGT	2623	*	MMGT	2623					-	-

Submit a Product Quality Deficiency Report (PQDR).	MMGT	2624	*	MMGT	2624					-	-
Assess maintenance shop performance.	MMGT	2650	1095	MMGT	2650	MMGT	2650	MMGT	2650	-	-
Design a site layout.	OMGT	2695	*	OMGT	2695					-	-
Prepare and present a command level brief for deployment.	OMGT	2696	*	OMGT	2696					-	-
Identify Operational Requirements.	OMGT	2697	*	OMGT	2697					-	-
Provide input for the operational plan.	OMGT	2698	*	OMGT	2698					-	-
Organize and staff crew for deployment.	OMGT	2699	*	OMGT	2699					-	-
Submit of a Bill of Material (BOM) request.	OMGT	2700	*	OMGT	2700					-	-
Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.	OMGT	2701	*	OMGT	2701					-	-
<b>MISSION SKILL (3000 Phase)</b>											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IWFAT	3280	1095	IWFAT	3280	IWFAT	3280	IWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IWFAT	3281	1095	IWFAT	3281	IWFAT	3281	IWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IWFNT	3282	1095	IWFNT	3282	IWFNT	3282	IWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IWFST	3283	1095	IWFST	3283	IWFST	3283	IWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Verify operational configuration of Tactical Data Systems.	EQUIP	3454	365	EQUIP	3454	EQUIP	3454	EQUIP	3454	-	-
Deploy a maintenance section in support of unit operations.	OMGT	3716	*	OMGT	3716					-	-
Deploy TDS capability ISO operations order.	OMGT	3718	730	OMGT	3718	OMGT	3718	OMGT	3718	-	-
<b>CORE PLUS SKILL (4000 Phase)</b>											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify hazards specific to the LRR and MRR.	EQUIP	4455	*	EQUIP	4455					-	-
Review system troubleshooting on a MRR.	EQUIP	4456	*	EQUIP	4456					-	-
Verify the MRR configuration.	EQUIP	4457	*	EQUIP	4457					-	-
Review system troubleshooting on a LRR.	EQUIP	4458	*	EQUIP	4458					-	-
Verify the LRR system configuration.	EQUIP	4459	*	EQUIP	4459					-	-
Verify the configuration of the Interrogator Set.	EQUIP	4460	*	EQUIP	4460					-	-

6.18 T&R SYLLABUS MATRIX

TAOC MOS 5970 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS) STAGE																			
AIRS	1001	Draw a Communications Diagram for the agencies within the MACG.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1002	Conduct an inspection of maintenance functional areas.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1003	Identify the key elements of Operational Orders (OPORD).	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1004	Reconcile Marine Corps Integrated Maintenance Management System (MIMMS) Automated Information System (AIS) reports.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1005	Identify the services provided by Marine Wing Communications Squadron.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1006	Identify Information Assurance requirements for tactical employment of information systems.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1007	Identify TAOC and EW/C communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1008	Identify TACC Communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1009	Identify DASC communications information exchange requirements.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1010	Analyze the TO/E.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-
AIRS	1011	Identify spectrum management procedures.	B	E	G	-	-	-	*		0		0		0.0	-	-	-	-

AIRS	1012	Identify the embarkation requirements for the major end items of the TACC, DASC, TAOC, and EW/C.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1013	Identify LAAD Communications information exchange requirements.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1014	Identify MATC communications information exchange requirements.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1015	Identify UAS Communications information exchange requirements.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1016	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1017	Validate induction of new equipment into service.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1018	Demonstrate the process to phase out obsolete equipment.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1019	Identify maintenance funding requirements.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1020	Identify the SECREP management process.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1021	Identify DOD Information Assurance Workforce structure.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1022	Access published information within TFSMS.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1023	Describe readiness ratings within DRRS-MC.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1024	Explain the product quality deficiency report (PQDR).	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1025	Identify major funding lines.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
AIRS	1026	State the duties of the responsible Officer.	B	E	G	-	-	-	*	0	0	0.0	-	-	-	-		
TOTAL AIR SCHOOLS (AIRS) STAGE										26	0.0	0	0.0	0	0.0			
CORE SKILL TRAINING (2000 PHASE EVENTS)																		
COMMUNICATION SECURITY (COMSEC)																		
COMSEC	2190	Describe proper handling and storage of classified materials.	B,R,M	-	L	-	-	-	365	0	0	2.0	-	-	-	-		
COMSEC	2191	State the physical security requirements for classified	B,R,M	-	L	-	-	-	365	0	0	2.0	-	-	-	-		

		areas.																
COMSEC	2192	Create a classified area physical security diagram.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2191	-	-	-	
COMSEC	2193	Conduct classified material inventory.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B,R,M	-	L	-	-	-	365	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	1.0	2190	-	-	-	
COMSEC	2200	Validate physical security of classified areas.	B	-	L	-	-	-	*	0	0	0	4.0	2191, 2192	-	-	-	
COMSEC	2201	Verify the proper use of a Common Fill Device.	B	-	L	-	-	-	*	0	0	0	4.0	2190, 2195	-	-	-	
COMSEC	2202	Identify organic Cryptographic Controlled Item (CCI) devices organic to the section.	B	-	L	-	-	-	*	0	0	0	4.0	2190, 2193	-	-	-	
COMSEC	2203	Identify equipment classification requirements.	B	-	L	-	-	-	*	0	0	0	4.0	2190	-	-	-	
<b>TOTAL COMMUNICATION SECURITY (COMSEC) STAGE</b>										<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>13</b>	<b>33.0</b>			
<b>FAMILIARIZATION (FAM)</b>																		
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*	0	0	0	1.0	-	-	-	-	
<b>TOTAL FAMILIARIZATION (FAM) STAGE</b>										<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>5.0</b>			
<b>INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE</b>																		
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	



IWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2256	Explain security.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0.0	0	0.0	9	36.0			
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																		
IWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0.0	0	0.0	5	20.0			
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																		
IWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
IWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0.0	0	0.0	6	24.0			
EQUIPMENT (EQUIP)																		
EQUIP	2436	Review system troubleshooting on the TDS equipment within the TAOC.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
EQUIP	2437	Verify system configuration of tactical data systems within the TAOC.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	
EQUIP	2438	Plan for deployment of Tactical Data Systems.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	-	

TOTAL EQUIPMENT (EQUIP) STAGE										0	0.0	0	0.0	3	12.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2615	Identify the requirements for a Pre-extended Bin (PEB).	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2616	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2617	Identify Critical Low Density SECREP assets and required on-hand quantities.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2618	Develop a maintenance section budget.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2619	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2620	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
MMGT	2621	Draft a Using Unit Responsibility Items (UURI) authorization letter.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MMGT	2622	Explain Recoverable Items Report (WIR) procedures.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MMGT	2623	Submit a maintenance cycle time extension letter.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MMGT	2624	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
MMGT	2650	Assess maintenance shop performance.	B,R,M	-	L	-	-	-	1095		0		0		4.0	-	-	-	
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0.0	0	0.0	11	56.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	2695	Design a site layout.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
OMGT	2696	Prepare and present a command level brief for deployment.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
OMGT	2697	Identify Operational Requirements.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	
OMGT	2698	Provide input for the operational plan.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
OMGT	2699	Organize and staff crew for deployment.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
OMGT	2700	Submit of a Bill of Material (BOM) request.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	

OMGT	2701	Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0.0	0	0.0	7	34.0	
TOTAL CORE SKILL PHASE (2000 PHASE)										0.0	0.0	0.0	0.0	59.0	220.0	
MISSION SKILL TRAINING (3000 PHASE EVENTS)																
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095	0	0	0	4.0	2250, 2251, 2252, 2253, 2254	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095	0	0	0	4.0	2255, 2256, 2257, 2258	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0	
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095	0	0	0	4.0	2259, 2260, 2261, 2262, 2263	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0	
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095	0	0	0	4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	1	4.0	
EQUIPMENT (EQUIP)																
EQUIP	3454	Verify operational configuration of Tactical Data Systems.	B,R,M	-	L	-	-	-	365	0	0	0	4.0	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	1	4.0	
OPERATIONAL MANAGEMENT (OMGT)																
OMGT	3716	Deploy a maintenance section in support of unit operations.	B	-	L	-	-	-	*	0	0	0	6.0	-	-	-
OMGT	3718	Deploy TDS capability ISO operations order.	B,R,M	-	L	-	-	-	730	0	0	0	20.0	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	6	26.0	
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	11	46.0	
CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)																
EQUIPMENT (EQUIP)																
EQUIP	4455	Identify hazards specific to the LRR and MRR.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-
EQUIP	4456	Review system troubleshooting on a MRR.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-
EQUIP	4457	Verify the MRR configuration.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-

EQUIP	4458	Review system troubleshooting on a LRR.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	
EQUIP	4459	Verify the LRR system configuration.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	
EQUIP	4460	Verify the configuration of the Interrogator Set.	B	-	L	-	-	-	*	0	0	0	4.0	-	-	-	
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	6	24.0		
TOTAL CORE PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	6	24.0		
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0.0	0.0	76	366.0		
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																	
INSTRUCTOR UNDER TRAINING (IUT)																	
BASIC INSTRUCTOR (BI)																	
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	2.0	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	1.0	Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	2.0	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0		
SENIOR INSTRUCTOR (SI)																	
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365	0	0	0	2.0	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0		
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0		
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																	
CERTIFICATION (CERT)																	
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	L	*	0	0	0	4.0	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	L	*	0	0	0	4.0	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	L	*	0	0	0	4.0	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0		
DESIGNATIONS (DESG)																	

DESG	6306	DATA SYSTEMS MAINTENANCE OFFICER (DSMO)	B	-	L	-	-	L	*	0	0	0	1.0	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-	
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	L	*	0	0	0	1.0	5000, 5010, 5020	-	-	-	
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	L	*	0	0	0	1.0	5000, 5010, 5020, 5100, 5110, 5120, 5130	-	-	-	
DESG	6322	Designation as a Weapons and Tacitics Instructor (WTI).	B	-	L	-	-	L	*	0	0	0	1.0	2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2200, 2201, 2202, 2203, 2219, 2220, 2221, 2222, 2223, 2436, 2437, 2438, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2650, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 3454, 3660, 3661, 3662, 3716, 3718, 6000, 6306, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-	
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	4	4.0			
SCHOOL CODES (SCHL)																		
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	-	*	0	0	0	0	-	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	-	*	0	0	0	0.0	-	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT- 201)	B	-	G	-	-	-	*	0	0	0	0.0	-	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	-	*	0	0	0	0.0	-	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										6	0	0	0	0	0.0			
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										6	0.0	0	0.0	7	16.0			

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6.19 ADDITIONAL MATRICES. None

6.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

6.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

6.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 7

TACTICAL DATA SYSTEMS ADMINISTRATOR (MOS 5974)/INDIVIDUAL TRAINING AND  
READINESS REQUIREMENTS

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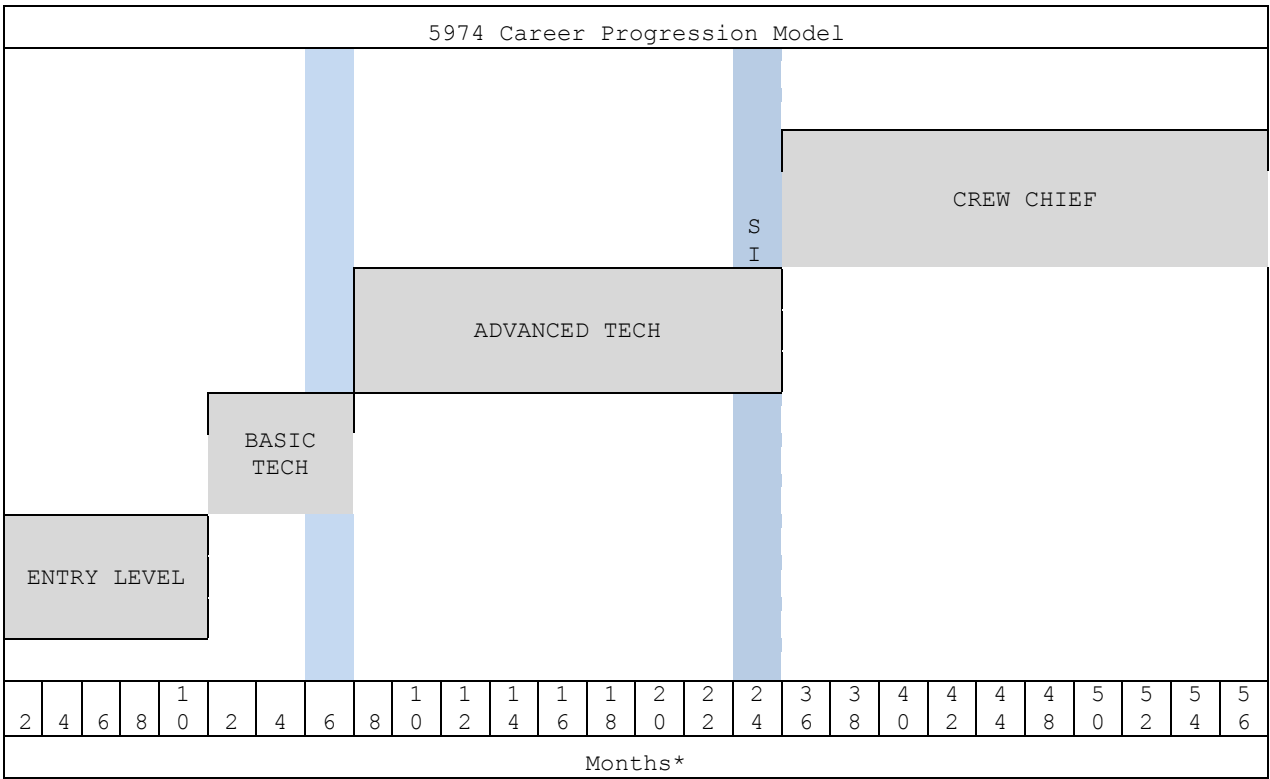
CHAPTER 7



TACTICAL DATA SYSTEMS ADMINISTRATOR/5974  
 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

7.0 TACTICAL DATA SYSTEMS ADMINISTRATOR /5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

7.1 5974 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



\* Months indicated are training months, not calendar months.

7.2 ABBREVIATIONS

TAOC MAINTENANCE MOS 5974	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN

TAOC MAINTENANCE MOS 5974	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
MISSION SKILL (3000 Phase)	
EQUIP	EQUIPMENT
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
CORE PLUS (4000 Phase)	
DLC	DATA LINK COORDINATOR
MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
TDSABT	TACTICAL DATA SYSTEM ADMINISTRATOR BASIC TECHNICIAN
TDSAAT	TACTICAL DATA SYSTEM ADMINISTRATOR ADVANCED TECHNICIAN
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY
TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

7.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.

TERM	DEFINITION
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP.
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP.
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

7.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

7.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

7.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

7.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

7.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

7.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

<b>TAOC MAINTENANCE MOS 5974</b>	
<b>ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI</b>	
<b>ATTAIN PROFICIENCY</b>	<b>MAINTAIN</b>

BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
<b>CORE SKILL (2000 Phase)</b>					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154R	CMN	2154R		
CMN	2156				
CMN	2157				
CMN	2158				
CMN	2159R	CMN	2159R		
TMDE	2173R	TMDE	2173R		
TMDE	2175R	TMDE	2175R		
TMDE	2180R	TMDE	2180R		
COMSEC	2190R	COMSEC	2190R	COMSEC	2190R
COMSEC	2191R	COMSEC	2191R	COMSEC	2191R
COMSEC	2192R	COMSEC	2192R	COMSEC	2192R
COMSEC	2193R	COMSEC	2193R	COMSEC	2193R
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195R	COMSEC	2195R
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199R	COMSEC	2199R	COMSEC	2199R
FAM	2210				
FAM	2214				
FAM	2217				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
FAM	2223				
CD	2230R	CD	2230R		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				
CD	2236				
CD	2237				
CD	2238				
CD	2241R	CD	2241R	CD	2241R
CD	2243				
IWFAT	2250				
IWFAT	2251				
IWFAT	2252				
IWFAT	2253				
IWFAT	2254				
IWFAT	2255				
IWFAT	2256				
IWFAT	2257				
IWFAT	2258				
IWFNT	2259				
IWFNT	2260				
IWFNT	2261				
IWFNT	2262				
IWFNT	2263				
IWFST	2264				
IWFST	2265				
IWFST	2266				
IWFST	2267				
IWFST	2268				

TAOC MAINTENANCE MOS 5974					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
IWFST	2269				
EQUIP	2380				
EQUIP	2381				
EQUIP	2407				
EQUIP	2408				
EQUIP	2409				
EQUIP	2410				
EQUIP	2411				
EQUIP	2412R	EQUIP	2412R	EQUIP	2412R
EQUIP	2413R	EQUIP	2413R	EQUIP	2413R
EQUIP	2414R	EQUIP	2414R	EQUIP	2414R
EQUIP	2415				
EQUIP	2416R	EQUIP	2416R	EQUIP	2416R
EQUIP	2417R	EQUIP	2417R		
EQUIP	2418R	EQUIP	2418R		
EQUIP	2419R	EQUIP	2419R		
EQUIP	2420R	EQUIP	2420R		
EQUIP	2421R	EQUIP	2421R		
EQUIP	2422R	EQUIP	2422R		
EQUIP	2423R	EQUIP	2423R		
MMGT	2601				
MMGT	2602R	MMGT	2602R		
MMGT	2603				
MMGT	2606				
MMGT	2607				
MMGT	2612				
MMGT	2614				
OMGT	2680				
OMGT	2681R	OMGT	2681R	OMGT	2681R
OMGT	2682R	OMGT	2682R	OMGT	2682R
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686R	OMGT	2686R	OMGT	2686R
OMGT	2687				
OMGT	2688R	OMGT	2688R	OMGT	2688R
OMGT	2689				
OMGT	2690				
OMGT	2691				
OMGT	2692				
OMGT	2693				
OMGT	2694R	OMGT	2694R		
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
EQUIP	EQUIP-3461R	EQUIP	EQUIP-3461R	EQUIP	
	EQUIP-3462				
	EQUIP-3463				
	EQUIP-3464R		EQUIP-3464R		EQUIP-3464R
MMGT	MMGT-3660	MMGT		MMGT	
	MMGT-3661R		MMGT-3661R		MMGT-3661R
OMGT	OMGT-3710R	OMGT	OMGT-3710R	OMGT	OMGT-3710R
	OMGT-3711				
	OMGT-3713R		OMGT-3713R		OMGT-3713R

TAOC MAINTENANCE MOS 5974					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
	OMGT-3715				
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
DLC	4320				
DLC	4321				
DLC	4322				
DLC	4323				
DLC	4324				
DLC	4325				
DLC	4326R	DLC	4326R	DLC	4326R
DLC	4327R	DLC	4327R	DLC	4327R
DLC	4328R	DLC	4328R	DLC	4328R
DLC	4329R	DLC	4329R	DLC	4329R
DLC	4330R	DLC	4330R	DLC	4330R
DLC	4331R	DLC	4331R	DLC	4331R
DLC	4332R	DLC	4332R	DLC	4332R
DLC	4333				
DLC	4335				
DLC	4336				
DLC	4337				
DLC	4338				
MMGT	4600				
MMGT	4604				
MMGT	4605				
MMGT	4608R	MMGT	4608R		
MMGT	4609				
MMGT	4610				
MMGT	4611				
MMGT	4613				
MMGT	4662				
OMGT	4714				
MACG	4750R	MACG	4750R	MACG	4750R
MACG	4751R	MACG	4751R	MACG	4751R
MACG	4752R	MACG	4752R	MACG	4752R
MACG	4753R	MACG	4753R	MACG	4753R
MACG	4754R	MACG	4754R	MACG	4754R
MACG	4755R	MACG	4755R	MACG	4755R
MACG	4756R	MACG	4756R	MACG	4756R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

7.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

7.5.1 INSTRUCTOR DESIGNATIONS

TAOC MAINTENANCE MOS 5974
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INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

7.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualification as an Tactical Data Systems Basic Technician (TDSABT). QUAL-6104	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT). QUAL-6105	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Certification as a COMPTIA A+ Technician. CERT-6200	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
Certification as a COMPTIA Network+ Technician. CERT-6201	2259, 2260, 2261, 2262, 2263, 3282
Certification as a COMPTIA Security+ Technician. CERT-6203	2264, 2265, 2266, 2267, 2268, 2269, 3283
Designation as a Tactical Data Systems Crew Chief (TDSACC). DESG-6307	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Designation as a Maintenance Safety NCO. DESG-6340	2230, 2235, 2236
Designation as a Maintenance HAZMAT NCO. DESG-6341	2230, 2235, 2236
Designation as a Maintenance Publications NCO. DESG-6342	2230, 2234
Designation as a Maintenance Tools NCO. DESG-6343	2230, 2233
Designation as a Maintenance Calibrations NCO. DESG-6344	2230, 2231
Designation as a Maintenance Modifications NCO. DESG-6345	2230, 2232, 2234
Designation as a Maintenance Embarkation NCO. DESG-6346	2230, 2237
Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347	2159, 2230, 2602
Designation as a Maintenance Training NCO. DESG-6348	2230
Designation as a Maintenance Quality Control (QC) NCO. DESG-6351	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421,

TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
	2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

7.6 5974 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

7.6.1 Basic POI

TAOC MAINTENANCE 5974 BASIC POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-40	CORE SKILL INTRODUCTION TRAINING	MCCES
41-70	CORE SKILL TRAINING	TACTICAL SQUADRON
71-119	MISSION SKILL TRAINING	TACTICAL SQUADRON
119-123	CORE PLUS	TACTICAL SQUADRON

7.6.2 Refresher POI

TAOC MAINTENANCE MOS 5974 REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

7.7 SYLLABUS NOTES

7.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

7.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.



<b>L/S</b>	Event performed live preferred/simulator optional.
<b>S/L</b>	Event performed in simulator preferred/live optional.
<b>G</b>	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
<b>CBT</b>	Computer Based Training
<b>LAB</b>	Laboratory
<b>LEC</b>	Lecture
<b>CP</b>	Command Post
<b>TEN</b>	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
<b>TEN+</b>	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

7.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	<b>B</b>	Initial MOS Training
Refresher	<b>R</b>	Return to community from non (MOS/Skill) associated tour
Maintain	<b>M</b>	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

7.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

7.8 ACADEMIC PHASE (0000)

7.8.1 Purpose. **RESERVED FOR FUTURE USE**

7.8.2 General

7.8.2.1 Admin Notes.

7.8.2.2 Prerequisites.

7.8.2.3 Stages.

7.9 CORE SKILL INTRODUCTION PHASE (1000)

7.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5974 TACTICAL DATA SYSTEMS ADMINISTRATOR. This training is completed upon graduation from the TACTICAL DATA SYSTEMS ADMINISTRATOR Course.

7.9.2 General.

7.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

7.9.2.2 Admin Notes. None

7.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
7.9.3	AIR SCHOOLS (AIRS)

7.9.3 AIR SCHOOLS (AIRS) STAGE

7.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure, setup, administer ADPE, and conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

7.9.3.2 General

Prerequisite. (1) Graduate from the Basic Electronics Course (CID: M092721);  
(2) Meet the 5974 requirements delineated in the MOS Manual.

Admin Notes. Tactical Data Systems Administrators Course (CID: M09DZC1), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1070                   \*           B   E   G

Goal. Configure the PDS.

Requirement. Given the references, a Processing and Display System (PDS), and a simulated communication plan; configure the following:

1. Configure the Operations Trailer.
2. Configure Servers.

3. Configure operator workstations.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/1 System Users Manual (SUM)

AIRS-1071                    \*            B    E    G

Goal. Maintain data circuits with the PDS.

Requirement. Given the references, a Processing and Display System (PDS), and a simulated communication plan:

1. Perform an operational check of data circuits.
2. Maintain data circuits.
3. Maintain operations trailer.
4. Maintain servers.
5. Maintain operations facility.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/1 System Users Manual (SUM)

AIRS-1072                    \*            B    E    G

Goal. Manage Windows based systems.

Requirement. Conduct the following:

1. Manipulate the Windows file system.
2. Set owner permissions on Windows objects.

3. Set file permissions on Windows objects.
4. Perform text editing with Microsoft Products.
5. Configure the BIOS.
6. Configure On board RAID controller.
7. Install Windows Operating System.
8. Manage memory on Windows systems.
9. Manage processes on Windows systems.
10. Manage local users.
11. Create Windows back-ups.
12. Perform recovery of Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1074                    \*            B    E    G

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Goal. Manage UNIX based systems.

Requirement. Conduct the following:

1. Manipulate the UNIX file system.
2. Set owner permissions on UNIX objects.
3. Set file permissions on UNIX objects.
4. Utilize UNIX shells.
5. Perform text editing with UNIX Software.
6. Configure Solaris OpenBoot PROM.
7. Utilize UNIX administrative Tools.
8. Install UNIX Operating System.
9. Manage memory on UNIX systems.
10. Manage processes on UNIX systems.
11. Create back-ups for UNIX systems.
12. Perform recovery of UNIX from backup.
13. Analyze UNIX script files.
14. Edit UNIX Script files.
15. Manage local user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unix in a Nutshell ISBN # 1-56592-001-5
2. Essential System Administration 3rd edition ISBN # 0-596-0034-9
3. Essential System Administration 2nd edition ISBN #0-937175-80-3
4. Essential System Administration ISBN # 0-937175-80-3
5. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
6. Marine Net- Memory, Motherboards, and Processors course code-123905

AIRS-1075                    \*            B    E    G

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Goal. Manage Networked Operating Systems (NOS).

Requirement. Given a network site diagram, conduct the following:

1. Configure UNIX networking components.
2. Configure Windows networking components.
3. Configure network services.
4. Configure NFS.
5. Configure DFS.
6. Manage Active Directory.
7. Configure network attached storage device.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Active Directory ISBN #0-596-00466-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Kerberos the definitive guide ISBN #0-596-00403-6
4. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
5. Marine Net - Basic Networking course code-123906
6. Solaris Performance administration ISBN #0-07-011768-3
7. Essential System Administration 3rd edition ISBN # 0-596-0034-9
8. Essential System Administration 2nd edition ISBN #0-937175-80-3
9. Essential System Administration ISBN # 0-937175-80-3

10. Solaris 2.6 Administration certification part 1 ISBN #1-57870-085-x
11. Solaris Essential reference ISBN #0-7357-0023-0
12. Solaris 2.x for Managers and Administrators ISBN #1-56690-150-2

AIRS-1076                   \*           B   E   G

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Goal.   Configure the Communication Data-link System (CDLS).

Requirement.   Describe the following:

1. Describe the characteristics of the CDLS.
2. Configure CDLS processors.
3. Configure the Air Defense System Integrator (ADSI) utilities.
4. Configure the Tactical Data Systems Workstations (TDSW).

Performance Standard.   Pass an exam.

Instructor.   FLC instructor.

Prerequisite.   None.

Ordinance.   None.

Range.   None.

External Syllabus Support.   None.

Reference.

1. Maintenance and Operation Manual for USMC TACC CDLS
2. ADSI User's Guide
3. ADSI Installation and Configuration Guide
4. TM EE130-EF-MMC-010

AIRS-1077                   \*           B   E   G

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Goal.   Configure virtualized server computing environment.

Requirement.   Conduct the following:

1. Install the host operating system.
2. Configure the host operating system.
3. Install the guest operating system.
4. Configure the guest operating system.
5. Create a virtual machine snapshot.
6. Perform a migration of a virtual machine.

Performance Standard.   Pass an exam.

Instructor.   FLC instructor.

Prerequisite.   None.

Ordinance.   None.

Range.   None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
2. Introduction to VMware vSphere  
[http://www.vmware.com/pdf/vsphere4/r41/vsp\\_41\\_intro\\_vs.pdf](http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf)
3. Installation Guide for the Combat Operations Center Virtual Center Server 1.0.0.0 Build 7 for AN/TSQ-239(V)2, (V)3, and (V)4 Software Release Package 5.3.0.0 Build 1 Restore Media
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140 and Sun Netra T2000

AIRS-1078                   \*           B   E   G

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Goal. Configure TBMCS remotes.

Requirement. Configure the following:

1. Configure TBMCS remote.
2. Configure TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1079                   \*           B   E   G

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Goal. Configure Network Security.

Requirement. Given a network diagram, Windows computer(s), UNIX computer(s), switch(es), and router(s) conduct the following:

1. Configure computer security components.
2. Configure security on switches.
3. Configure security on routers.
4. Construct ACL.
5. Install firewall.

6. Configure firewall.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Cisco IOS in a nutshell ISBN #0-596-00869-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Networking for dummies ISBN #0-7645-0498-3
4. Exchange Server Cook Book ISBN #0-596-00717-5

AIRS-1080 \* B E G

Goal. Configure Intelligence Operations Server (IOS).

Requirement. Configure the following:

1. Install IOS software.
2. Configure the IOS.
3. Configure CST channels.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09858A/10275A-13/1

AIRS-1081 \* B E G

Goal. Configure the Joint Range Extension (JRE).

Requirement. Describe the following:

1. Describe the characteristics of the JRE.
2. Configure JRE.
3. Configure the JRE application.



Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11399A-OI/1 Joint Range Extension Gateway
2. JRE Version 5.1 Software User Manual, ESD-070002, Rev.1

AIRS-1082                   \*           B   E   G

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Goal. Establish Tactical Data Systems (TDS) Networks.

Requirement. Given a sample network diagram, conduct the following:

1. Assemble Cat-5E cables.
2. Configure routers.
3. Configure Switches.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TCP/IP Network Administration ISBN #1-56592-322-7
2. Computer Network and Internets ISBN-13: 978-0136066989
3. Data Communication Network Devices ISBN #0-471-97515-x
4. Essential System Administration ISBN #0-596-00343-9
5. Cisco Router 24 Seven Sybex manual

AIRS-1083                   \*           B   E   G

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Goal. Configure Advanced Field Artillery Tactical Data System (AFATDS).

Requirement. With the aid of reference, perform the following:

1. Install AFATDS software.
2. Configure the AFATDS.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 7025-OR/1
2. TM 7025-OR/2
3. TM 7025-OR/3

AIRS-1084                   \*           B   E   G

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Goal. Configure the Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Conduct the following:

1. Install the LMS-MT software.
2. Configure the LMS-MT software.
3. Configure the LMS-MT hardware.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11655A-OD

AIRS-1085                   \*           B   E   G

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Goal. Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI.

Requirement. Given an ADSI, perform the following:

1. Configure JREAP-A.
2. Initialize JREAP-A.
3. Configure JREAP-B.
4. Initialize JREAP-B.
5. Configure JREAP-C.

6. Initialize JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

ADSI Installation and Configuration Guide

AIRS-1086                    \*            B    E    G

Goal. Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE.

Requirement. Given a JRE, perform the following:

1. Configure JREAP-A.
2. Initialize JREAP-A.
3. Configure JREAP-B.
4. Initialize JREAP-B.
5. Configure JREAP-C.
6. Initialize JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

ADSI Installation and Configuration Guide

AIRS-1087                    \*            B    E    G

Goal. Establish Link-16.

Requirement. Given the JRE, establish Link-16 by performing the following:

1. Configure the JRE for Link-16.
2. Configure the MIDS Terminal.

3. Initialize Link-16.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 5985-24/27
2. ADSI Installation and Configuration Guide

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AIRS-1088                   \*           B                                   E                                   G

Goal. Establish Link-16.

Requirement. Given the CDLS, establish Link-16 by performing the following:

1. Configure the ADSI for Link-16.
2. Configure the MIDS Terminal.
3. Initialize Link-16.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 5985-24/27
2. ADSI Installation and Configuration Guide

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AIRS-1089                   \*           B                                   E                                   G

Goal. Establish Link-11.

Requirement. Given a CDLS, establish Link-11 by performing the following:

1. Configure the data terminal set.
2. Configure the crypto device.
3. Configure the UHF radio set.

4. Configure the HF radio set.
5. Initialize Link-11.
6. Configure the ADSI for Link-11.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM M1108
2. KG-40A User's Manual
3. TM 09780A-13 P/1
4. TM 8076000505
5. ADSI Installation and Configuration Guide

AIRS-1090                   \*           B   E   G

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Goal. Establish Link-11B.

Requirement. Given a CDLS, establish Link-11B by performing the following:

1. Configure the modem.
2. Configure crypto device.
3. Initialize Link-11B.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ADSI Hardware Description Document
2. KIV-7 HSB User's Manual
3. ADSI Installation and Configuration Guide

AIRS-1091                   \*           B   E   G

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Goal. Describe Windows based systems.

Requirement. Conduct the following:

1. Identify different versions of Windows.
2. Identify capabilities of Windows versions.
3. Describe the Windows file system.
4. Describe text editing with Microsoft products.
5. Describe the BIOS.
6. Explain the Windows boot process.
7. Describe the Windows administrative tools.
8. Describe RAID.
9. Describe on-board RAID controller.
10. Describe installation procedures for Windows Operating System.
11. Describe memory management on Windows systems.
12. Describe process management on Windows systems.
13. Describe procedures to create local users.
14. Describe procedures to create back-ups of Windows.
15. Describe procedures to recover Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1092                   \*           B   E   G

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Goal. Describe UNIX based systems.

Requirement. Conduct the following:

1. Identify different versions of UNIX.
2. Identify capabilities of different UNIX versions.
3. Describe the UNIX file system.
4. Describe UNIX shells.
5. Describe text editing with UNIX Software.
6. Describe the Solaris OpenBoot PROM.
7. Describe the Solaris boot process.
8. Describe UNIX administrative Tools.
9. Describe Installation of UNIX Operating System.
10. Describe memory management on UNIX systems.

11. Describe process management on UNIX systems.
12. Describe back-up procedures for UNIX.
13. Describe the recovery procedures for UNIX systems.
14. Describe UNIX script files.
15. Identify Linux similarities.
16. Identify Linux differences.
17. Describe local user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unix in a Nutshell ISBN # 1-56592-001-5
2. Essential System Administration 3rd edition ISBN # 0-596-0034-9
3. Essential System Administration 2nd edition ISBN #0-937175-80-3
4. Essential System Administration ISBN # 0-937175-80-3
5. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
6. Marine Net- Memory, Motherboards, and Processors course code-123905

AIRS-1093                   \*           B   E   G

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Goal. Describe Tactical Data Systems (TDS) Networks.

Requirement. Conduct the following:

1. Identify Transfer Control Protocol/Internet Protocol (TCP/IP) layers.
2. Identify TCP/IP protocols.
3. Identify TCP/IP ports.
4. Identify TCP/IP sockets.
5. Describe Site Diagrams.
6. Describe Star Topology.
7. Describe Network Cables.
8. Describe Switches.
9. Describe Ethernet Communication.
10. Describe Internet Protocol Version 4 (IPV4) network addresses.
11. Describe Routers.
12. Describe Static Routing.
13. Describe Enhanced Interior Gateway Routing Protocol (EIGRP).
14. Describe Class C Subnetting.
15. Describe Classless Inter-Domain Routing (CIDR) notation.
16. Describe Variable Length Subnetting Mask (VLSM).
17. Describe Virtual Local Area Network (VLANS).

Performance Standard. Pass an exam.





085-x

11. Solaris Essential reference ISBN #0-7357-0023-0

12. Solaris 2.x for Managers and Administrators ISBN 1-56690-150-2

AIRS-1095           \*       B                                   E                                   G

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Goal. Describe Network Security concepts.

Requirement. Given a network site diagram, conduct the following:

1. Describe security on UNIX.
2. Describe security on Windows.
3. Describe security of switches.
4. Describe security of routers.
5. Describe Access Control List.
6. Describe Virtual Private Network.
7. Describe firewall.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Cisco IOS in a nutshell ISBN #0-596-00869-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Networking for dummies ISBN #0-7645-0498-3
4. Windows Server Cook Book ISBN #0-596-00717-5
5. Solaris 10 Security Essentials ISBN-10: 0137012330

AIRS-1096           \*       B                                   E                                   G

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Goal. Describe Link-11.

Requirement. Describe the following:

1. Describe the characteristics of Link-11.
2. Describe the function of the Data Terminal Set.
3. Describe the function of the crypto device.
4. Describe the function of the UHF radio.
5. Describe the antenna for the UHF radio.
6. Describe the function of the HF radio.
7. Describe the antenna for the HF radio.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. TM M1108
3. KG-40A User's Manual
4. TM 09780A-13 P/1
5. TM 8076000505

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AIRS-1097                   \*           B                                   E                                   G

Goal. Describe Link-11B.

Requirement. Conduct the following:

1. Describe the characteristics of Link-11B.
2. Describe modem operations.
3. Describe the modem.
4. Describe the function of crypto device.
5. Describe NATO Link 1.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. ADSI Hardware Description Document
3. KIV-7 HSB User's Manual
4. ADSI Installation and Configuration Guide
5. STANAG 5501

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AIRS-1098                   \*           B                                   E                                   G

Goal. Describe Link-16.

Requirement. Describe the following:

1. Describe the characteristics of Link-16.
2. Describe the function of the MIDS Terminal.
3. Describe the components of the MIDS Terminal.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6016
2. TM 5985-24/27
3. ADSI Installation and Configuration Guide

AIRS-1099                   \*           B   E   G

Goal. Describe Joint Range Extension Application Protocol (JREAP).

Requirement. Describe the following:

1. Describe the characteristics of JREAP-A.
2. Describe the characteristics of JREAP-B.
3. Describe the characteristics of JREAP-C.
4. Describe hardware needed to establish JREAP-A.
5. Describe hardware needed to establish JREAP-B.
6. Describe hardware needed to establish JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 3011 Appendix A
2. MIL-STD 3011 Appendix B
3. MIL-STD 3011 Appendix C

AIRS-1100                   \*           B   E   G

Goal. Describe Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Describe the following:

1. Describe the LMS-MT.
2. Describe installation of LMS-MT.
3. Describe LMS-MT software configuration.
4. Describe LMS-MT hardware configuration.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11655A-OD

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AIRS-1101                   \*           B   E   G

Goal. Describe Intelligence Operations Server (IOS).

Requirement. Describe the following:

1. Describe the IOS.
2. Describe installation of IOS.
3. Describe Framework configuration.
4. Describe Common Operational Picture (COP).
5. Describe Universal Build (UB).
6. Describe COP Synch Tool (CST) feed.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09858A/10275A-13/1
2. SL-3-10753C

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AIRS-1102                   \*           B   E   G

Goal. Describe TBMCS.

Requirement. Describe the following:

1. Describe TBMCS.
2. Describe TBMCS web remotes.
3. Describe TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1103                    \*            B    E    G

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Goal. Describe a virtualized server computing environment.

Requirement. Describe the following:

1. Describe the characteristics of a host operating system.
2. Describe the characteristics of a guest operating system.
3. Describe the menus of the host management utility.
4. Describe high availability.
5. Describe a cluster.
6. Describe virtual machine migration.
7. Describe a virtual machine snapshot.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. Introduction to VMware vSphere  
[http://www.vmware.com/pdf/vsphere4/r41/vsp\\_41\\_intro\\_vs.pdf](http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf)
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140

and Sun Netra T2000

AIRS-1104                   \*           B   E   G

Goal. Identify Tactical Data Systems Technician duties at MACCS agencies.

Requirement. With the aid of references, identify the:

1. Tactical Data System (TDS) at each unit.
2. Responsibility of TDS Tech at each unit.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

AIRS-1105                   \*           B   E   G

Goal. Describe the Combat Operations Center (COC).

Requirement. Describe the following:

1. Describe COC operations.
2. Describe COC cabling methodology.
3. Describe COC Windows Server installation procedures.
4. Describe COC Unix Server installation procedures.
5. Describe COC server configuration.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. COC 5.3.3.0/5.3.1.0/5.3.2.1
2. 32-bit Server: Build 3 Ver 1.1.2.1
3. 64-bit Server: Build 3 Ver 2.1.2.1
4. Collaboration Server: Build 3 Ver 2.1.2.1

5. CPoF Backup Server: Build 3 Ver 1.2.2.1
6. CPoF Master Server: Build 3 Ver 2.1.2.1
7. CPoF Midtier Server: Build 3 Ver 1.2.2.1
8. DC/Exchange Server: Build 3 Ver 1.1.1.0
9. IOS V3 Server: Build 3 Build Ver 1.1.2.1
10. Maintenance Server: Build 3 Ver 1.2.2.1
11. Domain Server: Build 3 Ver 1.1.2.1
12. Exchange Server: Build 3 Ver 1.1.2.1
13. Virtual Center Server: Build 3 Ver 1.0.2.1
14. Windows Basline Client: Build 3 Ver 2.1.2.1
15. Jupiter Server: Build 3 Ver 1.2.2.1
16. Network Administrator Client: Build 3 Ver 1.2.2.1
17. Intelligence Client: Build 3 Ver 2.1.2.1
18. Operations Client: Build 3 Ver 1.2.2.1
19. Logistics Client: Build 3 Ver 1.2.2.1
20. COBRA3 Operations Client: Build 3 Ver 1.0.2.1
21. COBRA3 Windows Client: Build 3 Ver 1.0.2.1

AIRS-1106                    \*            B    E    G

Goal. Describe Advanced Field Artillery Tactical Data System (AFATDS).

Requirement. Describe the following:

1. Describe AFATDS.
2. Describe AFATDS hardware.
3. Describe AFATDS build procedures.
4. Describe AFATDS configuration.
5. Describe AFATDS communication configurations.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 7025-OR/1
2. TM 7025-OR/2
3. TM 7025-OR/3
4. SL-3-11069A

AIRS-1120                    \*            B    E    G

Goal. Describe functions of the Marine Air Command and Control System (MACCS).

Requirement. Given the references:

1. Describe the purpose of a MACCS.
2. Describe the organization of a MACCS.
3. Describe the mission of the units comprising a MACCS.
4. Describe the function(s) of each agency comprising the MACCS.
5. Describe the six functions of Marine Aviation.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Aviation Operations MCWP 3-2
2. Control of Aircraft and Missiles MCWP 3-25
3. Marine Air Command and Control System Handbook MCWP 3-25.3

#### 7.10 CORE SKILL TRAINING (2000)

7.10.1 Purpose. To develop core skill proficiency for 5974 personnel to be able to perform duties while assigned to the TAOC TDS section.

(1) Basic Technicians will gain core skill proficiency in basic systems administration and maintenance.

(2) Advance Technicians will gain core skill proficiency in advanced radio operations and maintenance, communications systems operations and maintenance, and SATCOM operations.

(3) Crew Chiefs will gain core skill proficiency in managing crew level communications operations to include radio operations, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training will provide the crew chief the skills necessary to run a communications crew

(4) Maintenance Chiefs will gain core skill proficiency in supervising and managing maintenance section operations to include radio operations and maintenance, communications systems operations and maintenance, SATCOM operations, and maintenance management. This training will provide the maintenance chief the necessary skills to run a communications section.

#### 7.10.2 General.

##### 7.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSABT). Core Skill Introduction training must be completed prior to beginning TDSABT training.

(2) Tactical Data System Administrator Advanced Technician(TDSAAT).



Must be qualified as an ASCBT prior to beginning TDSAAT training.

(3) Tactical Data Systems Crew Chief (TDSCC). Must be qualified as an TDSAAT prior to beginning ASCC training.

7.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

7.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
7.10.3	MACCS MAINTENANCE COMMON (CMN)
7.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
7.10.5	COMMUNICATION SECURITY (COMSEC)
7.10.6	FAMILIARIZATION (FAM)
7.10.7	COLLATERAL DUTY (CD)
7.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
7.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
7.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
7.10.11	EQUIPMENT (EQUIP)
7.10.12	MAINTENANCE MANAGEMENT (MMGT)
7.10.13	OPERATIONAL MANAGEMENT (OMGT)

7.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

7.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSs within the MACCS.

7.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150    2.0    \*    B    L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable components.
4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150\_
2. MCO P4790.2\_
3. Applicable equipment SL-3 or TM

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CMN-2151      1.5      \*      B      L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/\_
2. NAVMC 10561
3. MCO P4790.2\_
4. Applicable technical manuals
5. UM 4400.125 (Draft)

CMN-2152      2.0      \*      B      L

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Goal.    Submit a Product Quality Deficiency Report (PQDR).

Requirement.    Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard.    Submit to the evaluator a correctly formatted PQDR IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite.    None.

Ordnance.    None.

Range.    None.

External Syllabus Support.    None.

Reference.

1. MCO P4790.2\_
2. Unit MMSOP
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>.
6. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/online\\_train.htm](https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm)

CMN-2153      3.0      \*      B      Grnd Rod Kit/MK-2551A/U L

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Goal.    Demonstrate an earth ground installation.

Requirement.    Given the references, grounding kit and PPE, perform the following:

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:

- a. Grounding rod.
  - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

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CMN-2154    2.0    \*    B, R    L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

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CMN-2156    2.0    \*    B    Shelter    L

Goal. Emplace shelter.

Requirement. As a part of a crew, given a site diagram, Heavy Equipment, and a shelter, complete the following:

1. Place shelter according to site diagram.
2. Level shelter as required.

Performance Standard. Shelter is emplaced and leveled per the site diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2157    2.0    \*    B    Shelter    L

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Goal. Cable shelter for power.

Requirement. As a part of a crew, given references, cables, shelter, and grounding kit, complete the following steps:

1. Ground Shelter.
2. Connect Power Cable.
3. Energize specified section.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2158    1.0    \*    B    Tool box    L

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Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.
7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2\_
3. MCO p4400.150\_
4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159    1.0    \*    B, R    \_\_\_\_\_    GCSS    L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard. With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1\_
3. MCO P4790.2\_
4. MCBUL 3000\_
5. MCO P4400.16\_
6. Unit Maintenance Administration SOP

7.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

7.10.4.1 Purpose. To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

7.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2173 2.0 \* B, R R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

TMDE-2175 1.0 \* B, R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.
2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2180 1.0 \* B, R LAN Analyzer L

Goal. Utilize LAN analyzer.

Requirement. Given the references, LAN analyzer, and network cable, perform the following:

1. Identify LAN analyzer.
2. State its purpose.
3. Analyze network cable.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.



External Syllabus Support. None.

Reference.

Applicable user manual

7.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

7.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

7.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_
3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M L

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Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2192 2.0 365 B, R, M L

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Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2193 2.0 365 B, R, M \_\_\_\_\_ L

Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B, R \_\_\_\_\_ L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. MCWP 3-40.3

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COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

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COMSEC-2196 2.0 \* B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

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COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

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COMSEC-2198 1.0 \* B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M L

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Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

#### 7.10.6 FAMILIARIZATION (FAM) STAGE

7.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

7.10.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100

Admin Notes. None

Crew Requirements. None

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FAM-2210      2.0      \*      B      L

Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

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FAM-2214      1.0      \*      B      L

Goal. Describe MTAOM equipment.

Requirement. Given the references:

1. Describe the purpose of the System Level Equipment.
2. Describe the purpose of the Digital communications Equipment.
3. Describe the Purpose of the Voice Communications Equipment.
4. Describe the Purpose of the Data Processing Equipment.
5. Describe the Purpose of the Internal Radio Equipment.
6. Describe the Purpose of the Operator interface Equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI MTAOM Operations and Organizational Maintenance Manual

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FAM-2217      1.0      \*      B      L

Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
3. AN/VRC 110.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
5. AN/GRC-256
  - a. Frequency range
  - b. Power output
  - c. Types of antennas.
6. AN/USQ-140(V)2
  - a. Frequency range



- b. Power output
- c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V) 4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V) 2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

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FAM-2219    1.0    \*    B    L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

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FAM-2220    1.0    \*    B    L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

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FAM-2221      1.0      \*      B      L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

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FAM-2222      1.0      \*      B      L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 \* B \_\_\_\_\_ L

Goal. Identify the major components of the Composite Tracking Network (CTN).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the Cooperative Engagement Capability.
2. Describe the characteristics of the antenna.
3. Describe the characteristics of the AN/USG-4A.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143

4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

7.10.7 COLLATERAL DUTY (CD) STAGE

7.10.7.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

7.10.7.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

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CD-2230      8.0      \*      B, R      L

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Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
  - a. State the purpose of the TMDE program.
  - b. State the duty responsibilities.
2. Modification CD.
  - a. State the purpose of the modification program.
  - b. State the duty responsibilities.
3. Tool Control CD.
  - a. State the purpose of the tool control program.
  - b. State the duty responsibilities.
4. Publications CD.
  - a. State the purpose of the publications program.
  - b. State the duty responsibilities.
5. Safety CD.
  - a. State the purpose of the safety program.
  - b. State the duty responsibilities.
6. Hazmat CD.
  - a. State the purpose of the HAZMAT program.
  - b. State the duty responsibilities.
7. Embarkation.
  - a. State the purpose of the embarkation program.
  - b. State the duty responsibilities.
8. MIMMS.
  - a. State the purpose of the MIMMS program.
  - b. State the duty responsibilities.
9. Records.
  - a. State the purpose of the records program.
  - b. State the duty responsibilities.
10. Quality Control.
  - a. State the purpose of the quality control program.

- b. State the duty responsibilities.
- 11. Training Program
  - a. State the purpose of the Training program.
  - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2\_
4. TM 4700-15/1\_
5. Applicable CD Desktops
6. MCO 5100.29\_
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

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CD-2231      1.0      \*      B      L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

2. MMO SOP

CD-2232      2.0      \*      B      L

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Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
  - a. Identified.
  - b. Verified.
  - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

CD-2233      2.0      \*      B      L

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Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
  - a. Inventory schedule.
  - b. Check-in/Check-out.
  - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

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CD-2234      2.0      \*      B      L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

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CD-2235      2.0      \*      B      L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
  - a. Define ESD.
  - b. Setup ESD workstation.
  - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
  - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
  - a. Electrical hazards.
  - b. Eye hazards.
  - c. Hearing hazards.
  - d. RF hazards.
  - e. Fire hazards.
5. Identify HAZMAT procedures.
  - a. State purpose of a Material Safety Data Sheets (MSDS).
  - b. Properly store and label HAZMAT materials.
  - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
  - d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29\_
2. MCO 4450.12\_
3. MCO 5100.8\_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

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CD-2236      2.0      \*      B      L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
  - a. Chemical identity.



- b. Manufactures name and contact information.
  - c. Hazardous ingredients/identity information.
  - d. Physical/chemical characteristics.
  - e. Fire and explosion hazard data.
  - f. Reactivity data.
  - g. Health hazard data.
  - h. Precautions for safe handling and use.
  - i. Control measures.
3. State the purpose of the MSDS center.
  4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2
6. Associated Desktop
7. OSHA 29 CFR refer to  
[http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=standards&p\\_id=10099](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099)

CD-2237      3.0      \*      B      L

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Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3\_ Unit Embarkation Handbook
2. MCO P4790.2\_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

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CD-2238      1.0      \*      B      L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. TM-4700-15/1\_
3. MCO 5210.11E

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CD-2241      2.0      1460      B, R, M      L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
  - a. Ensure equipment is being maintained to equipment standards.
  - b. Ensure quality controls are being adhered to.
  - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
  - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
  - e. Verify the repair process is properly implemented by ensuring that:
    - (1) Proper tools were used.
    - (2) ESD procedures were used.
    - (3) Safety warnings were adhered to.
    - (4) Necessary defective parts were replaced.
    - (5) Correct software was used, as applicable.
    - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243      2.0      \*      B      L

Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.

3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2\_
3. NAVMC 3500.14\_
4. MCRP 3-01\_

#### 7.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

7.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 7.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
7. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.

10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
7. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 \* B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
7. Given a scenario, use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
7. Perform preventive maintenance procedures using appropriate tools.
8. Explain the differences among basic OS security settings.
9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFAT-2256 4.0 \* B E L

Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
7. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFAT-2257 4.0 \* B E L

Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
7. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI



Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2258 4.0 \* B E L

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Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
7. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

7.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
7. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
7. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
7. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.

2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
7. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

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Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
7. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)  
STAGE

7.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
7. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.

3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
7. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
7. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 \* B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.
3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 \* B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 7.10.11 EQUIPMENT (EQUIP) STAGE

7.10.11.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 7.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 \* B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.



4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140 (V)2.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2381 4.0 \* B L

Goal. Identify the major components of the AN/USQ-140 (V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2407 8.0 \* B L

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Goal. Troubleshoot tactical data systems.

Requirement. Given a faulty data system or scenario, perform the following:

1. Identify the problem.
2. Establish a theory of probable cause (question the obvious).
3. Test the theory to determine the cause.
4. Establish a plan of action to resolve the problem and implement the solution.
5. Verify full system functionality and, if applicable, implement preventative measures.
6. Document findings, actions, and outcomes.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable TMs

EQUIP-2408 4.0 \* B L

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Goal. Perform PMCS on ADPE.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on TDS ADPE IAW the reference.
2. Complete all required administrative actions.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050A-OD/1 System Administration and Maintenance Manual (SAMM)
2. Appropriate technical manual

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EQUIP-2409 2.0 \* B L

Goal. Initiate corrective maintenance on TDS ADPE.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference:

1. Conduct CM on the TDS ADPE IAW the reference and identify faulty component.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700/15-1H
2. MCO P4790.2

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EQUIP-2410 2.0 \* B L

Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2411 4.0 \* B L

Goal. Setup PDS network equipment.

Requirement. Given a site diagram, required preconfigured equipment, and references, perform the following:

1. Emplace components.
2. Make a straight through Ethernet cable as required.
3. Make a crossover Ethernet cable as required.
4. Cable components.
5. Energize components.
6. Conduct operational status check.
7. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

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EQUIP-2412 4.0 730 B, R, M L

Goal. Configure workstation.

Requirement. Given an emplaced system, perform the following:

1. Energize workstation.
2. configure workstation.
  - a. Host name.
  - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

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EQUIP-2413 2.0 730 B, R, M L

Goal. Configure printer.

Requirement. Given an emplaced system, perform the following:

1. Energize printer.
2. configure printer.
  - a. Host name.
  - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

EQUIP-2414 4.0 730 B, R, M L

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Goal. Configure PDS network equipment.

Requirement. Given an emplaced system, perform the following:

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

EQUIP-2415 4.0 \* B L

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Goal. Install ADPE operating system software.

Requirement. With the aid of reference, perform the following:

1. Restore operating system from clone/backup/system image.
2. Update to current software release.
3. Configure operating system as required.
4. Document changes to system configuration.

Performance Standard. With the aid of reference install the operating system and update to the current software release IOT operate in a classified environment without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2416 4.0 730 B, R, M L

Goal. Configure ADPE C2 application software.

Requirement. With the aid of reference, perform the following:

1. Configure C2 system software as required.
2. Document changes to system configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2417 4.0 \* B, R L

Goal. Perform network management.

Requirement. Given a LAN, references, and required equipment, perform the following:

1. Monitor the LAN for connectivity.
2. Assist troubleshoot connectivity with external agencies.
3. Log Files Check.
4. Network Time Check.
5. Trouble Shoot Network error(s).
6. Set QoS settings.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2418 4.0 \* B, R L

Goal. Perform disaster recovery management.

Requirement. With the aid of reference, perform the following:

1. Plan system backup.
2. Create system backup.
3. Restore from backup.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2419 4.0 \* B, R L

Goal. Perform logfile management.

Requirement. With the aid of reference, perform the following:

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation



requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2420 4.0 \* B, R L

Goal. Perform network data storage management.

Requirement. With the aid of reference, perform the following:

1. Plan share file structure.
2. Set permissions for shared files.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2421 1.0 \* B, R L

Goal. Perform account management.

Requirement. With the aid of reference, perform the following:

1. Plan user accounts.
2. Create user accounts IAW naming convention.
3. Create groups IAW naming convention.
4. Set account permissions.
5. Manage user accounts.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2422 4.0 \* B, R L

Goal. Apply Software release updates.

Requirement. With the aid of reference, perform the following:

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup systems as required.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

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EQUIP-2423 2.0 \* B, R L

Goal. Manage disk space.

Requirement. With the aid of reference, perform the following:

1. Check disk space.
2. Archive files to removable media as required.
3. Delete files as required.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

#### 7.10.12 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.10.12.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

#### 7.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2601 1.0 \* B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700-15/1H
2. MCO P4790.2\_

MMGT-2602 4.0 \* B, R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
  - a. Maintenance Production Report (MPR).
  - b. Equipment Status Report (ESR).
  - c. Preventative Maintenance Report.
  - d. Calibrations Report.
  - e. Modification Instruction report.
  - f. Maintenance Management Report (MMR).
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Service Request (SR).
    - (1) Tasks.
    - (2) Notes.
    - (3) Parts Requirements.
  - j. Inspection repair tag (NAVMC 1018).
  - k. Layette bin.
    - (1) Sub-Inventory.
    - (2) Stage.
  - l. Oracle Installed Base.
    - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000
3. MCO P4400.16
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 \* B L

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Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG

MMGT-2606 2.0 \* B L

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Goal. Induct new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation

IAW the reference.

- b. Ensure initial SL-3 was performed.
- c. Ensure an initial LTI was performed.
- d. Ensure induction of new equipment into calibration cycle as required.
- e. Ensure equipment is accounted for within EKMS as required.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

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MMGT-2607 2.0 \* B L

Goal. Phase out equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
  - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
  - e. Ensure the record jackets were completed and accompanied equipment.
  - f. Ensure the equipment and proper documentation was sent to Supply for turn-in.
  - g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82

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MMGT-2612 1.5 \* B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
  - a. Item on-hand availability status.
  - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P4790.2\_

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MMGT-2614 1.0 \* B L

Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1\_
2. MCO P4790.2\_
3. MCO P4400.16\_
4. Unit SOP
5. UM 4400-125 (draft)

#### 7.10.13 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.10.13.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 7.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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OMGT-2680    2.0    \*    B    L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.



5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

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OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.
7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2682 4.0 1460 B, R, M L

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Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
  - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordnance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6

2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V)4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 \* B L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

OMGT-2684 3.0 \* B L

Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario, perform the following:

1. Determine supply needs with consideration of the following:
  - a. Location.
  - b. Equipment.
  - c. Daily operations.
  - d. Climate.
2. Identify SECREP requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2691

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

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OMGT-2685 1.0 \* B L

Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario, perform the following:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2686 8.0 1460 B, R, M L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

OMGT-2687 8.0 \* B L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP
3. Applicable TM

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OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

Requirement. Given a scenario and references, perform the following:

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

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OMGT-2689 1.0 \* B L

Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Record frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Record Satellite Access requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

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OMGT-2690 1.0 \* B L

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

Performance Standard. With the aid of reference, submit a completed LSR to the instructor. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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OMGT-2691 2.0 \* B L

Goal. Submit a Bill of Material (BOM) request.

Requirement. Given a deployment scenario and references, perform the following:

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.

5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

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OMGT-2692 1.0 \* B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

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OMGT-2693 2.0 \* B L



Goal. Identify communication service request procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Identify submission timelines.
2. Identify data elements.
  - a. Internet protocol addresses.
  - b. Location, user accounts.
  - c. Dates.
  - d. Phone lines.
  - e. C2 application support.
  - f. Data network services (NIPR/SIPR).
  - g. Firewall exemptions.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B

OMGT-2694 2.0 \* B, R \_\_\_\_\_ L

Goal. Draw a site diagram for the TAOC.

Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

#### 7.11 MISSION SKILL TRAINING (3000)

7.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Marine Air Support Squadron missions.

7.11.2 General.

7.11.2.1 Prerequisite.

7.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

7.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
7.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)

7.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
7.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
7.11.6	EQUIPMENT (EQUIP)
7.11.7	MAINTENANCE MANAGEMENT (MMGT)
7.11.8	OPERATIONAL MANAGEMENT (OMGT)

7.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

7.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 7.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
7. Printers.
7. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 7.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
7. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

7.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 7.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-007.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
7. Network Management.
7. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

7.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

7.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 7.0 1095 B, R, M E L

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Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
7. Cryptography.
7. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

7.11.6 EQUIPMENT (EQUIP) STAGE

7.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

7.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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EQUIP-3461 4.0 \* B, R L

Goal. Perform System Administration.

Requirement. Given a scenario, ensure the following:

1. Manage disaster recovery plan.
2. Manage logfiles.
3. Manage user accounts.
4. Apply software release updates.
5. Monitor disk space.
6. Manage system passwords.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

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EQUIP-3462 4.0 \* B L

Goal. Set-up the PDS.

Requirement. Given a PDS and a core capable crew, perform the following:

1. Emplace the PDS.
2. Safely ground equipment.
3. Test the grounds.
5. Ensure power is connected to the shelter.
6. Apply power.
  - a. Verify inputs and phases.
  - b. Power up PDS and all ancillary equipment in proper sequence.
7. Configure components.

8. Perform system check.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Utilities mechanic to properly connect and power up required generator.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

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EQUIP-3463 4.0 \* B L

Goal. Set up the PDS in the TAOC.

Requirement. Given a PDS and a core capable crew, conduct the following:

1. Setup the PDS.
2. Setup the TDS equipment within OPFAC.
3. Verify configuration of TDS equipment.
4. Perform operational check of TDS equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

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EQUIP-3464 6.0 1095 B,R,M L

Goal. Integrate the PDS into the communications architecture.

Requirement. Given a scenario and references, conduct the following:

1. Integrate PDS into unit comm architecture.
  - a. Make liaison with unit sections involved.
  - b. Ensure equipment configurations between PDS meets mission requirement.
  - c. Validate the transmission of data between systems.
  - d. Troubleshoot anomalies.
2. Integrate PDS into the MACCS comm architecture.
  - a. Make liaison with MACCS agency involved.
  - b. Ensure equipment configurations between PDS meets mission requirement.
  - c. Validate the transmission of data between systems.
  - d. Troubleshoot anomalies.

Performance Standard. Given a core competent crew, validate the PDS is integrated into the communications architecture without error. Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Applicable external MACCS agencies.

Reference.

1. Site diagrams
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)
4. TM 12041A/15050A-OD/2 CAC2S System User Manual

#### 7.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.11.7.1 Purpose. To train the trainee on the advanced skills necessary to perform as a member of a maintenance shop.

7.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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MMGT-3660    2.0    \*    B    L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:



1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B, M L

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Goal. Validate SECREP assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECREP (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

7.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.11.8.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

7.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B, M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 \* B L

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Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
  - Tactical licenses.
  - Active clearance.
  - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3713 8.0 1095 B, M MTAOM or CAC2S L

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Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

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OMGT-3715    8.0    \*    B    L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

## 7.12 CORE PLUS TRAINING (4000)

7.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special

missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

7.12.2 General.

7.12.2.1 Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

7.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

(1) Training in this phase does not preclude simultaneous training in the Mission Skill and Core Skill Advanced phases.

(2) Individual Core Skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crewmember assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

7.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

PAR NO.	STAGE NAME
7.12.3	DATA LINK COORDINATOR
7.12.4	MAINTENANCE MANAGEMENT (MMGT)
7.12.5	OPERATIONAL MANAGEMENT (OMGT)
7.12.6	MARINE AIR CONTROL GROUP (MACG)

7.12.3 DATA LINK COORDINATOR (DLC) STAGE

7.12.3.1 Purpose. Provides the trainee instruction to operate, configure, and troubleshoot doctrinal datalinks and protocols.

7.12.3.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

DLC-4320 1.0 \* B \_\_\_\_\_ L

Goal. State the purpose of Interface Coordination.

Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
  - a. Data registration.
  - b. Sensor registration.
  - c. Correlation.
  - d. Common track.
  - e. Dual designation.
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JM TOP, what is the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO).
11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JM TOP) Manual
2. MIL STD 6016\_

DLC-4321 1.0 \* B \_\_\_\_\_ L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
  - a. Link 11 Transmit filter.
  - b. Link 11B Transmit filter.
  - c. Link 16 Transmit filter.
  - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
  - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
  - f. Transmit filter for all data links in a multi-link interface.
  - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
  - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
  - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
  - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
  - a. Geographic filters.
  - b. Fixed or slaved filters.
  - c. Identification filters.
  - d. Environment filters.
  - e. Reference point filters.
  - f. EW filters.
  - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual

DLC-4322 1.0 \* B L

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Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
  - a. Net Control Station (NCS).
  - b. Picket.
3. Define the following Link 11 net modes of operation:
  - a. Roll Call.
  - b. Broadcast (Long).
  - c. Short Broadcast.
  - d. Net Sync.
  - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
  - a. Conventional Link 11 Waveform (CLEW).
  - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
  - a. A1.
  - b. A2.
  - c. B.
  - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4323 1.0 \* B L

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Goal. State the characteristics of and terms associated with Link 11B.



Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
  - a. Limited Transmission of Data (LTD) mode.
  - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4324    1.0    \*    B    L

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Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
  - a. Active Synchronization.
  - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
  - c. Conditional Radio Silence Mode.
  - d. Contention Access Mode.
  - e. Dedicated Access Mode.
  - f. Donor.
  - g. Dynamic Network Management.
  - h. Extension Word.
  - i. Geodetic Position Quality.
  - j. Header Message.
  - k. Host System.
  - l. Initial Entry.
  - m. Initial Entry JTIDS/MIDS Unit (IEJU).



1. Define Joint Range Extension Application Protocol (JREAP).
2. List the capabilities of JREAP.
3. Define the following terms associated with JREAP:
  - a. Common Time Reference.
  - b. Demand Access Multiple Access (DAMA).
  - c. Joint Range Extension (JRE).
  - d. JRE Network Controller.
  - e. JRE Source Track Number.
  - f. Link 16 Zone.
  - g. Multicast.
  - h. Packet.
  - i. Port.
  - j. Secondary Track Number.
  - k. Token Passing.
  - l. Transmission Sequence List.
  - m. Unicast.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

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DLC-4326    2.0    730    B, R, M    L

Goal. Operate Link 11.

Requirement. Given the references, operational documents, and a C2 system:

1. Extract required information from the OPTASKLINK.
2. Input the required database entries.
3. Enter and activate filters.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
  - a. Radio Silent.
  - b. Net Control Station (NCS).

c. Picket.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website  
<https://standmgt.disa.mil/restricted/usmtf/>

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DLC-4327    2.0    730    B, R, M    L

Goal. Operate Link 11B.

Requirement. Given the references, operational documents, and a C2 system:

1. extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
  - a. Limited Transmission of Data (LTD).
  - b. Full Transmission of Data (FTD).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website  
<https://standmgt.disa.mil/restricted/usmtf/>

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DLC-4328    2.0    730    B, R, M    L

Goal. Operate Link 16.

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control.
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly.
7. Validate the equipment is keyedLoad the appropriate time and IDL.
8. Load the initialization data load (IDL).
9. Perform link entry procedures Perform net exit procedures.
10. Achieve fine synchronization with another interface unit.
11. Operate in/as the following:
  - a. Radio Silent or data silent.
  - b. Network Time Reference (NTR).
  - c. Initial Entry JTIDS Unit (IEJU).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-4329 2.0 730 B, R, M L

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Goal. Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement. Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
  - a. Clients.
  - b. Roles.
  - c. Client Applications Settings.
  - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
  - a. Operator Action.
  - b. eDERG.
  - c. ATO.
  - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual

DLC-4330 2.0 730 B, R, M L

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Goal. Operate JREAP A.

Requirement. Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.
4. Validate JREAP A equipment is connected.

5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information.
10. Demonstrate the ability to operate in the following modes:
  - a. Network Participant.
  - b. Network Controller.
  - c. Network Listener.

Performance Standard. Successfully exchange tracks.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

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DLC-4331    2.0    730    B, R, M    L

Goal. Operate JREAP B.

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Configure the serial line encryption device for JREAP B operations.
2. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
3. Build the JREAP B link in the JRE-GW.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP B.

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

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DLC-4332    2.0    730    B, R, M    L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
  - a. TCP.
  - b. UDP.
  - c. MTC.
  - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

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DLC-4333    3.0    \*    B    L

Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:



1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.
7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-4335    3.0    \*    B    L

Goal. Troubleshoot Link 16.

Requirement. Given a C2 system with Link 16:

1. Determine if the internal data path being used for Link 16 is functional.
2. Recognize and take appropriate action for incorrect time.
3. Recognize and take appropriate action for incorrect crypto.
4. Recognize and take appropriate action for incorrect IDL.
5. Select and monitor Link 16 messages.
6. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. System Technical Manual

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DLC-4336      3.0      \*      B      L

Goal. Troubleshoot JREAP A.

Requirement. Given a C2 system with a malfunctioning JREAP A:

1. Use the SATCOM radio's receive signal strength orderwire (RSSOW) to troubleshoot antenna elevation and azimuth.
2. Troubleshoot the SATCOM radio's satellite connection status.
3. Determine if the TAOC's Interface Unit address is in the Network Controller's subscriber list.
4. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. System Technical Manual

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DLC-4337      3.0      \*      B      L

Goal. Troubleshoot JREAP B.

Requirement. Given a C2 system with a malfunctioning JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

DLC-4338      3.0      \*      B      \_\_\_\_\_      L

Goal. Troubleshoot JREAP C.

Requirement. Given a C2 system with a malfunctioning JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

7.12.4 MAINTENANCE MANAGEMENT (MMGT) STAGE

7.12.4.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

7.12.4.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

MMGT-4600 3.0 \* B L

Goal. Ensure preparatory measures are taken for disposition of equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-4604 2.0 \* B L

Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-4605 2.0 \* B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411,

2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003,  
8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-4608 16.0 \* B, R L

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Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting functional areas.

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-4609 2.0 \* B L

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Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1\_
2. Unit TO&E

MMGT-4610 2.0 \* B L

Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Complete an Urgent UNS form.
5. Complete a deliberate UNS form.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17\_

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MMGT-4611 40.0 \* B L

Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. CMR
3. MMO SOP

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MMGT-4613 13.0 \* B L

Goal. Identify the functions of maintenance management.



Requirement. With the aid of reference, perform the following:

1. Identify the references associated with the MIMMS.
2. Identify the objectives of MIMMS.
3. Identify equipment maintenance management procedures.
4. Identify the responsibilities of maintenance management personnel.
5. Identify the information contained in the Table of Organization and Equipment (T/O&E).
6. Identify the steps to submit a T/O&E change request.
7. Identify the purpose of supply reports used in Maintenance Management.
8. Identify the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Identify the purpose of maintenance support programs.
10. Identify that describes Repairable Issue Point (RIP) procedures.
11. Identify the RIP customer re-computation procedures.
12. Identify the steps in the Recoverable Item Report (WIR) procedures.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCO P4790.1\_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16\_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1\_
10. Unit TO&E
11. MCO P4400.150\_
12. CMR
13. MMO SOP
14. MCO 4400.151\_

MMGT-4662 2.0 \* B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance

shortfalls, propose funding allocations for maintenance activities.  
1. Identify and prioritize funding requirements.  
2. Provide a maintenance funding request based on requirements and prior year utilization.  
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

#### 7.12.5 OPERATIONAL MANAGEMENT (OMGT) STAGE

7.12.5.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 7.12.5.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

OMGT-4714 8.0 \* B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.

4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

#### 7.12.6 MARINE AIR CONTROL GROUP (MACG) STAGE

7.12.6.1 Purpose. To teach the trainee common communication and data flow within the MACG.

#### 7.12.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None.

Crew Requirements. None

MACG-4750    1.0    \*    B    \_\_\_\_\_    L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCRP 5-12D
- 2.MCWP 3-25.4
- 3.Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4751 1.0 \* B L

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Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4752 1.0 \* B L

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Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4753 1.0 \* B \_\_\_\_\_ L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4754 1.0 \* B L

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Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4755 1.0 \* B L

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Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-4756 2.0 \* B, R L

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Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

7.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

7.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

7.13.2 General.

7.13.2.1 Prerequisiste. None

7.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient.
SI	Core Skill, Mission Skill, and Core Plus events in which current and proficient.

7.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
7.13.3	INSTRUCTOR UNDER TRAINING (IUT)

### 7.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

7.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

#### 7.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI



5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

7.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

7.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

7.14.2 General.

7.14.2.1 Prerequisiste. None

7.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

7.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
7.14.3	QUALIFICATION (QUAL)
7.14.4	CERTIFICATIONS (CERT)
7.14.5	DESIGNATION (DESG)
7.14.6	SCHOOL CODES (SCHL)

7.14.3 QUALIFICATIONS (QUAL) STAGE

7.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

7.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6104 0.5 \* \_\_\_\_\_ L

Goal. Qualification as an Tactical Data Systems Administrator Basic Technician (TDSABT).

Requirement. Complete required Tactical Data Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6105 0.5 \* \_\_\_\_\_ L

Goal. Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT).

Requirement. Complete required Tactical Data Systems Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

7.14.4 CERTIFICATIONS (CERT) STAGE

7.14.4.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

7.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 7.0 \* B L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6201 7.0 \* B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-007. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

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CERT-6202 7.0 \* B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

#### 7.14.5 DESIGNATIONS (DESG) STAGE

7.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 7.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6307 1.0 \* 

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L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 \* 

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L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

DESG-6321 1.0 \* 

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L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14\_

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DESG-6340 1.0 \* L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.  
1. Unit SOP

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DESG-6341 1.0 \* L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 \* 

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L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6343 1.0 \* 

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L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6344 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6345 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.



1. MCO P4790.2\_

DESG-6346 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6348 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6351 1.0 \* L

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Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

#### 7.14.6 SCHOOL CODES (SCHL) STAGE

7.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5974 in the skill progression of the Marine.

7.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6013	System Administrator	Hurlburt Field, FL	F19L2U2
SCHL-6014	Network Administrator	Hurlburt Field, FL	F19L9W2
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6073	Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351
SCHL 6079	JRE-GW Operators' Course	Titan L3	N/A

7.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

7.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

7.15.2 General

7.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

7.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

7.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
7.15.3	CONDITION (COND)

7.15.3 CONDITION (COND) STAGE

7.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

7.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
7. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

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Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
7. Identify equipment requirements
7. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
7. Coordinate site security, camouflage, dispersion, and trafficability
7. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

7.16 AVIATION CAREER PROGRESSION MODEL (8000).

7.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)

Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

7.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION	ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>	1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM	4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)	4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)	4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)	4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)	4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)	4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)	4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)	4	2000 PHASE
ACPM	8020	<b>ACE</b>	1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS	4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES	4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)	4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT	4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE	4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE	4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE	4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT	4	2000 PHASE
ACPM	8040	<b>THREAT</b>	1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8060	<b>MAGTF</b>	1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS	4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE	4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL	4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS	4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE	4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT	4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF	4	4000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>	1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS	4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)	4	4000 PHASE
ACPM	8083	JOINT FIRE SUPPORT	4	4000 PHASE

ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

7.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
CORE SKILL (2000 Phase)											
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-
Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152					-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173	-
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154	CMN	2154			-	-
Emlace shelter.	CMN	2156	*	CMN	2156					2155	-
Cable shelter for power.	CMN	2157	*	CMN	2157					2156	-
Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151	-
Initiate a service request.	CMN	2159	*	CMN	2159	CMN	2159	CMN	2159	-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173	TMDE	2173	TMDE	2173	-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175	TMDE	2175	TMDE	2175	-	-
Utilize LAN analyzer.	TMDE	2180	*	TMDE	2180	TMDE	2180	TMDE	2180	-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
Describe MTAOM equipment.	FAM	2214	*	FAM	2214					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Familiarization with LRR equipment.	FAM	2219	*	FAM	2219					-	-
Familiarization with MRR equipment.	FAM	2220	*	FAM	2220					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*	FAM	2221					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					-	-

TAOC MAINTENANCE MOS 5974

CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX

T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
	T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE			CODE
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230	CD	2230			-	-	
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-	
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-	
Manage the Tool Control Program.	CD	2233	*	CD	2233					2230	-	
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-	
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-	
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-	
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-	
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-	
Perform Quality Control Procedures.	CD	2241	1460	CD	2241	CD	2241	CD	2241	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105		-
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-	
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-	
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-	
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-	
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-	
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-	
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-	



TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION		BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-
Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-
Explain access control and identity management.	IAWFST	2268	*	IAWFST	2268					-	-
Explain application, data and host security.	IAWFST	2269	*	IAWFST	2269					-	-
Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2380	*	EQUIP	2380					-	-
Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2381	*	EQUIP	2381					-	-
Troubleshoot tactical data systems.	EQUIP	2407	*	EQUIP	2407					-	-
Perform PMCS on ADPE.	EQUIP	2408	*	EQUIP	2408					-	-
Initiate corrective maintenance on TDS ADPE.	EQUIP	2409	*	EQUIP	2409					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	EQUIP	2410	*	EQUIP	2410					-	-
Setup PDS network equipment.	EQUIP	2411	*	EQUIP	2411					-	-
Configure workstation.	EQUIP	2412	730	EQUIP	2412	EQUIP	2412	EQUIP	2412	-	-
Configure printer.	EQUIP	2413	730	EQUIP	2413	EQUIP	2413	EQUIP	2413	-	-
Configure PDS network equipment.	EQUIP	2414	730	EQUIP	2414	EQUIP	2414	EQUIP	2414	-	-
Install ADPE operating system software.	EQUIP	2415	*	EQUIP	2415					-	-
Configure ADPE C2 application software.	EQUIP	2416	730	EQUIP	2416	EQUIP	2416	EQUIP	2416	-	-
Perform network management.	EQUIP	2417	*	EQUIP	2417	EQUIP	2417			-	-
Perform disaster recovery management.	EQUIP	2418	*	EQUIP	2418	EQUIP	2418			-	-
Perform logfile management.	EQUIP	2419	*	EQUIP	2419	EQUIP	2419			-	-
Perform network data storage management.	EQUIP	2420	*	EQUIP	2420	EQUIP	2420			-	-
Perform account management.	EQUIP	2421	*	EQUIP	2421	EQUIP	2421			-	-
Apply Software release updates.	EQUIP	2422	*	EQUIP	2422	EQUIP	2422			-	-
Manage disk space.	EQUIP	2423	*	EQUIP	2423	EQUIP	2423			-	-
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151	-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602	MMGT	2602			2159	-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603					-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238	-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612					2150, 2159	-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614					2159	-
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680					-	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681	-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682	-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683					-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684					2691	-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685					2687	-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686	-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687					-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688	-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689					-	-
Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690					-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691					-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692					-	-
Identify communication service request procedures.	OMGT	2693	*	OMGT	2693					-	-
Draw a site diagram for the TAOC.	OMGT	2694	*	OMGT	2694	OMGT	2694			-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IWFAT	3280	1095	IWFAT	3280	IWFAT	3280	IWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IWFAT	3281	1095	IWFAT	3281	IWFAT	3281	IWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IWFNT	3282	1095	IWFNT	3282	IWFNT	3282	IWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IWFST	3283	1095	IWFST	3283	IWFST	3283	IWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Perform System Administration.	EQUIP	3461	*	EQUIP	3461	EQUIP	3461			-	-
Set-up the PDS.	EQUIP	3462	*	EQUIP	3462					-	-
Set up the PDS in the TAOC.	EQUIP	3463	*	EQUIP	3463					-	-
Integrate the PDS into the communications architecture.	EQUIP	3464	*	EQUIP	3464	EQUIP	3464	EQUIP	3464	-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-
Deploy a communications system ISO operations.	OMGT	3713	1095	OMGT	3713	OMGT	3713	OMGT	3713	-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the Purpose of Interface Coordination	DLC	4320	*	DLC	4320					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Know the types and purpose of data filters	DLC	4321	*	DLC	4321					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of and terms associated with Link 11	DLC	4322	*	DLC	4322					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the characteristics of and terms associated with Link 11B	DLC	4323	*	DLC	4323					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of Link 16	DLC	4324	*	DLC	4324					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of Joint Range Extension Application Protocol (JREAP)	DLC	4325	*	DLC	4325					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate Link 11	DLC	4326	730	DLC	4326	DLC	4326	DLC	4326	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate Link 11B	DLC	4327	730	DLC	4327	DLC	4327	DLC	4327	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate Link 16	DLC	4328	730	DLC	4328	DLC	4328	DLC	4328	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Configure the Joint Range Extension-Gateway (JRE-GW)	DLC	4329	730	DLC	4329	DLC	4329	DLC	4329	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP A	DLC	4330	730	DLC	4330	DLC	4330	DLC	4330	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP B	DLC	4331	730	DLC	4331	DLC	4331	DLC	4331	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate JREAP C	DLC	4332	730	DLC	4332	DLC	4332	DLC	4332	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot Link 11	DLC	4333	*	DLC	4333					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot Link 16	DLC	4335	*	DLC	4335					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974												
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX												
T&R EVENT INFORMATION					BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION		STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Troubleshoot JREAP A		DLC	4336	*	DLC	4336					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP B		DLC	4337	*	DLC	4337					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP C		DLC	4338	*	DLC	4338					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-



TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Ensure preparatory measures are taken for disposition of equipment	MMGT	4600	*	MMGT	4600					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Define RA with regards to O&M funds	MMGT	4604	*	MMGT	4604					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Define PE with regards to O&M funds	MMGT	4605	*	MMGT	4605					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974												
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX												
T&R EVENT INFORMATION					BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION		STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Inspect maintenance functional areas		MMGT	4608	*	MMGT	4608	MMGT	4608			2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)		MMGT	4609	*	MMGT	4609					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify the Marine Corps Urgent Needs Process (MCUNP)		MMGT	4610	*	MMGT	4610					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct a Consolidated Memorandum Receipt (CMR) Review	MMGT	4611	*	MMGT	4611					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify the functions of maintenance management	MMGT	4613	*	MMGT	4613					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Assess maintenance funding requirements	MMGT	4662	*	MMGT	4662					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Deploy a maintenance capability	OMGT	4714	*	OMGT	4714					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify TACC Communications information exchange requirements.	MACG	4750	1095	MACG	4750	MACG	4750	MACG	4750	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify TAOC and EW/C communications information exchange requirements.	MACG	4751	1095	MACG	4751	MACG	4751	MACG	4751	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify DASC communications information exchange requirements.	MACG	4752	1095	MACG	4752	MACG	4752	MACG	4752	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify UAS Communications information exchange requirements.	MACG	4753	1095	MACG	4753	MACG	4753	MACG	4753	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify LAAD Communications information exchange requirements.	MACG	4754	1095	MACG	4754	MACG	4754	MACG	4754	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify MATC communications information exchange requirements.	MACG	4755	1095	MACG	4755	MACG	4755	MACG	4755	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Draw a Communications Diagram for the agencies within the MACG.	MACG	4756	1095	MACG	4756	MACG	4756	MACG	4756	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

7.18 T&R SYLLABUS MATRIX

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																		
AIR SCHOOLS (AIRS)																			
AIRS	1070	Configure the PDS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1071	Maintain data circuits with the PDS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1072	Manage Windows based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1074	Manage UNIX based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1075	Manage Networked Operating Systems (NOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1076	Configure the Communication Data-link System (CDLS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1077	Configure virtualized server computing environment.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1078	Configure TBMCs remotes.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1079	Configure Network Security.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1080	Configure Intelligence Operations Server (IOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1081	Configure the Joint Range Extension (JRE).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1082	Establish Tactical Data Systems (TDS) Networks.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1083	Configure Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1084	Configure the Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1085	Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1086	Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1087	Establish Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1088	Establish Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1089	Establish Link-11.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1090	Establish Link-11B.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1091	Describe Windows based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1092	Describe UNIX based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1093	Describe Tactical Data Systems (TDS) Networks.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1094	Describe Networked Operating Systems	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME					
		(NOS).																		
AIRS	1095	Describe Network Security concepts.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1096	Describe Link-11.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1097	Describe Link-11B.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1098	Describe Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1099	Describe Joint Range Extension Application Protocol (JREAP).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1100	Describe Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1101	Describe Intelligence Operations Server (IOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1102	Describe TBMCS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1103	Describe a virtualized server computing environment.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1104	Identify Tactical Data Systems Technician duties at MACCS agencies.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1105	Describe the Combat Operations Center (COC).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1106	Describe Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1120	Describe functions of the Marine Air Command and Control System (MACCS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
TOTAL AIR SCHOOLS (AIRS) SKILL STAGE										37	0	0	0	0	0.0					
TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)										37	0	0	0	0	0.0					
MACCS MAINTENANCE COMMON (CMN)																				
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*		0		0		1.5	-	-	-	-	-
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*		0		0		3.0	2173	-	-	-	-
CMN	2154	Describe the characteristics of unit T/E generators.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2156	Emplace shelter.	B	-	L	-	-	-	*		0		0		2.0	2155	-	-	-	-
CMN	2157	Cable shelter for power.	B	-	L	-	-	-	*		0		0		2.0	2156	-	-	-	-
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151	-	-	-	-
CMN	2159	Initiate a service request.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-
TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE										0	0	0	0	9	16.5					
TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)																				
TMDE	2173	Utilize a Ground Tester.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
TMDE	2175	Utilize a multimeter.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-
TMDE	2180	Utilize LAN analyzer.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-



TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE</b>									0	0	0	0	3	4.0					
<b>COMMUNICATION SECURITY (COMSEC)</b>																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
COMSEC	2191	State the physical security requirements for classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
COMSEC	2192	Create a classified area physical security diagram.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191	-	-	-	
COMSEC	2193	Conduct classified material inventory.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	1.0	2190	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191, 2192	-	-	-	
<b>TOTAL COMMUNICATION SECURITY (COMSEC) STAGE</b>									0	0	0	0	10	19.0					
<b>FAMILIARIZATION (FAM)</b>																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2214	Describe MTAOM equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
<b>TOTAL FAMILIARIZATION (FAM) STAGE</b>									0	0	0	0	8	9.0					
<b>COLLATERAL DUTY (CD)</b>																			
CD	2230	State the maintenance Collateral Duties (CD).	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	
CD	2232	Identify the Maintenance Modifications	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		Program.																	
CD	2233	Manage the Tool Control Program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*	0	0	0	0	3.0	2230	-	-	-	-
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	-
CD	2241	Perform Quality Control Procedures.	B, R, M	-	L	-	-	-	1460	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105	-	-	-	-
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
TOTAL COLLATERAL DUTY (CD) STAGE										0	0	0	0	11	27.0				
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE									0	0	0	0	9	36.0					
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE									0	0	0	0	5	20.0					
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST)																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE									0	0	0	0	6	24.0					
EQUIPMENT (EQUIP)																			
EQUIP	2380	Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2381	Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2407	Troubleshoot tactical data systems.	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
EQUIP	2408	Perform PMCS on ADPE.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2409	Initiate corrective maintenance on TDS ADPE.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2410	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2411	Setup PDS network equipment.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2412	Configure workstation.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2413	Configure printer.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2414	Configure PDS network equipment.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2415	Install ADPE operating system software.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2416	Configure ADPE C2 application software.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2417	Perform network management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME								
EQUIP	2418	Perform disaster recovery management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2419	Perform logfile management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2420	Perform network data storage management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2421	Perform account management.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
EQUIP	2422	Apply Software release updates.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2423	Manage disk space.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0.0	0	0.0	19	69.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2601	Create a Preventive Maintenance Checks and Services (PMCS) schedule.	B	-	L	-	-	-	*	0	0	0	0	1.0	2151	-	-	-	-
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	2159	-	-	-	-
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2159, 2231, 2238	-	-	-	-
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150	-	-	-	-
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*	0	0	0	0	1.5	2150, 2159	-	-	-	-
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*	0	0	0	0	1.0	2159	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	7	13.5				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2681	Determine required equipment to support a mission.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	-
OMGT	2682	Conduct communications portion of a site survey.	B, R, M	-	L	-	-	-	1460	0	0	0	0	4.0	-	-	-	-	-
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*	0	0	0	0	3.0	2691	-	-	-	-
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*	0	0	0	0	1.0	2687	-	-	-	-
OMGT	2686	Write a packing list.	B, R, M	-	L	-	-	-	1460	0	0	0	0	8.0	-	-	-	-	-
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
OMGT	2688	Identify power requirements.	B, R, M	-	L	-	-	-	365	0	0	0	0	4.0	-	-	-	-	-
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2693	Identify communication service request	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		procedures.																	
OMGT	2694	Draw a site diagram for the TAOC.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	15	43.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0.0	0	0.0	102	281.0				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2250, 2251, 2252, 2253, 2254	-	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2255, 2256, 2257, 2258	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	1	4.0				
EQUIPMENT (EQUIP)																			
EQUIP	3461	Perform System Administration.	B, R	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3462	Set-up the PDS.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3463	Set up the PDS in the TAOC.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3464	Integrate the PDS into the communications architecture.	B,R,M	-	L	-	-	-	1095		0		0		6.0	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	4	18.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	2	4.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3713	Deploy a communications system ISO operations.	B,R,M	-	L	-	-	-	1095		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	4	19.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	14	57.0				
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	DATA LINK COORDINATOR (DLC)																		
DLC	4320	State the Purpose of Interface Coordination	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4321	Know the types and purpose of data filters	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4322	State the characteristics of and terms associated with Link 11	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4323	State the characteristics of and terms associated with Link 11B	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4324	State the characteristics of Link 16	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4325	State the characteristics of Joint Range Extension Application Protocol (JREAP)	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4326	Operate Link 11	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4327	Operate Link 11B	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4328	Operate Link 16	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4329	Configure the Joint Range Extension-Gateway (JRE-GW)	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4330	Operate JREAP A	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4331	Operate JREAP B	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4332	Operate JREAP C	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410,	-	-	-	



TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4333	Troubleshoot Link 11	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4335	Troubleshoot Link 16	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4336	Troubleshoot JREAP A	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4337	Troubleshoot JREAP B	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4338	Troubleshoot JREAP C	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	19	35.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	4600	Ensure preparatory measures are taken for disposition of equipment	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MMGT	4604	Define RA with regards to O&M funds	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MMGT	4605	Define PE with regards to O&M funds	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
MMGT	4608	Inspect maintenance functional areas	B,R	-	L	-	-	-	*		0		0		16.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)	B	-	L	-	-	-	*		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4610	Identify the Marine Corps Urgent Needs Process (MCUNP)	B	-	L	-	-	-	*		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4611	Conduct a Consolidated Memorandum Receipt (CMR) Review	B	-	L	-	-	-	*		0		0		40.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																8007, 8008			
MMGT	4613	Identify the functions of maintenance management	B	-	L	-	-	-	*	0	0	0	0	13.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4662	Assess maintenance funding requirements	B	-	L	-	-	-	*	0	0	0	0	2.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	5	82.0				
OPERATIONS MANAGEMENT (OMGT)																			
OMGT	4714	Deploy a maintenance capability	B	-	L	-	-	-	*	0	0	0	0	8.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL OPERATIONS MANAGEMENT (OMGT) STAGE										0	0	0	0	1	8.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	4750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008				
MACG	4751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MACG	4752	Identify DASC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MACG	4753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MACG	4754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																8007, 8008			
MACG	4755	Identify MATC communications information exchange requirements.	B, M	-	L	-	-	-	1095	0	0	0	0	1.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MACG	4756	Draw a Communications Diagram for the agencies within the MACG.	B, R, M	-	L	-	-	-	1095	0	0	0	0	2.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	5	8.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	30	133.0				
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0	0.0	146	471.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	0	2.0		Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	0	1.0		Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	0	2.0		Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6104	Qualification as an Tactical Data Systems Basic Technician (TDSABT).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
QUAL	6105	Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	2	1.0				
CERTIFICATION (CERT)																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-	
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-	
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-	
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0				

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	DESIGNATIONS (DESG)																		
DESG	6307	Designation as a Tactical Data Systems Crew Chief (TDSCC).	B	-	L	-	-	-	*	0	0	1.0	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-			
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	-	*	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-			



TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
DESG	6341	Designation as a Maintenance HAZMAT NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2234	-	-	-	
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2233	-	-	-	
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2231	-	-	-	
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2232, 2234	-	-	-	
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2237	-	-	-	
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2159, 2230, 2602	-	-	-	
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6351	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	-	*	0	0	0	0	13	13.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL DESIGNATION (DESG) STAGE										0	0	0	0	13	13.0				
SCHOOL CODES (SCHL)																			
SCHL	6013	Systems Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6014	Network Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6073	Micro miniature Electronic Repair	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										0	0	0	0	0	0.0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										0	0.0	0	0.0	18	26.0				

7.19 ADDITIONAL MATRICES. None

7.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

7.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

7.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 8

AIR DEFENSE SYSTEMS TECHNICIAN (MOS 5979) / INDIVIDUAL TRAINING AND READINESS  
REQUIREMENTS

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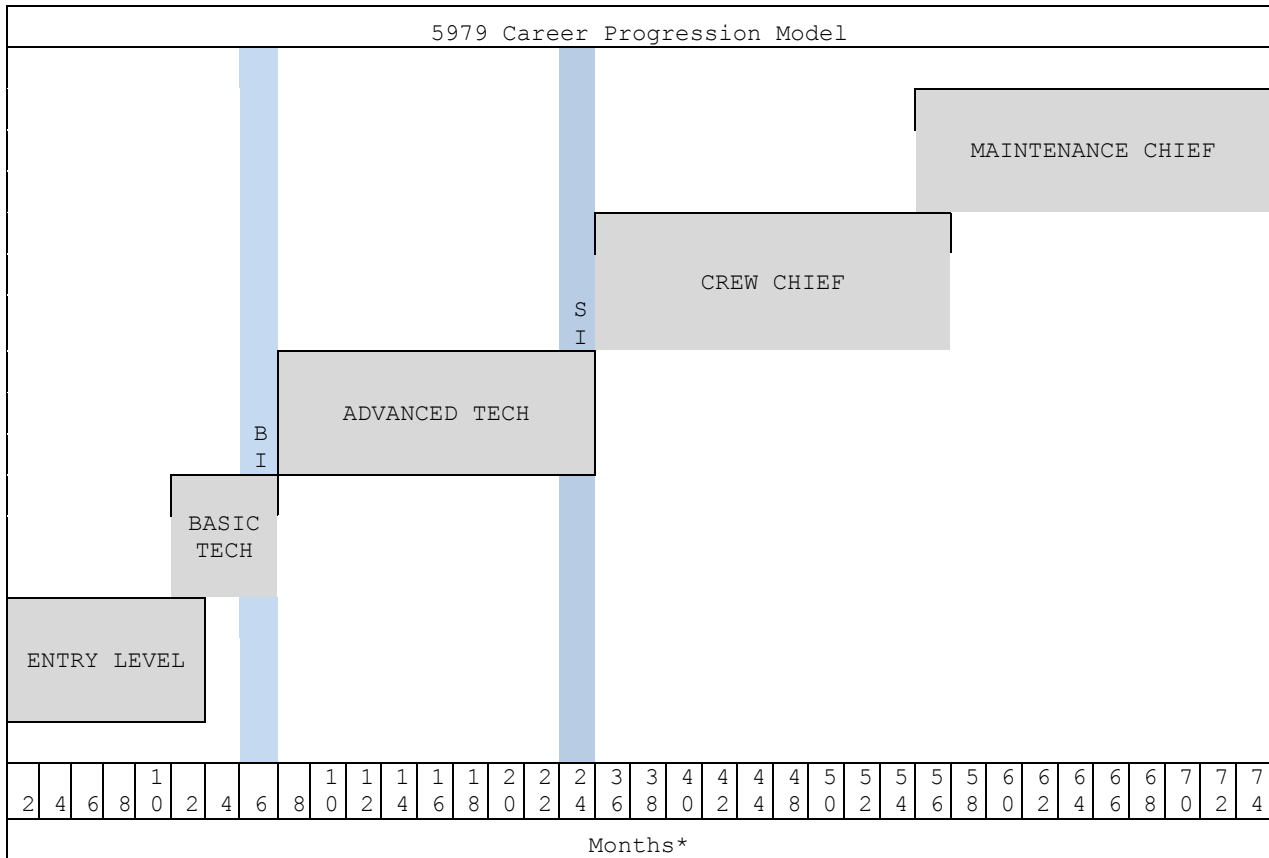
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CHAPTER 8

TACTICAL DATA SYSTEMS ADMINISTRATOR/5979  
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

8.0 AIR DEFENSE SYSTEMS TECHNICIAN/5979 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

8.1 5979 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



\* Months indicated are training months, not calendar months.

8.2 ABBREVIATIONS

<b>TAOC MAINTENANCE MOS 5979</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
<b>CORE SKILL (2000 Phase)</b>	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
CONFIG	CONFIGURATION
DLC	DATA LINK COORDINATOR
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
<b>MISSION SKILL (3000 Phase)</b>	
EQUIP	EQUIPMENT
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
TDSBT	TACTICAL DATA SYSTEM BASIC TECHNICIAN
TDSAT	TACTICAL DATA SYSTEM ADVANCED TECHNICIAN
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
TDSMC	TACTICAL DATA SYSTEM MAINTENANCE CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY

TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

### 8.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be Fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

### 8.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

8.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

8.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.



8.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

8.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

8.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154R	CMN	2154R		
CMN	2155				
CMN	2156				
CMN	2157				
CMN	2158				
CMN	2159R	CMN	2159R		
TMDE	2171R	TMDE	2171R		
TMDE	2172R	TMDE	2172R		
TMDE	2173R	TMDE	2173R		
TMDE	2175R	TMDE	2175R		
TMDE	2177R	TMDE	2177R		
TMDE	2178R	TMDE	2178R		
COMSEC	2190R	COMSEC	2190R	COMSEC	2190R

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
COMSEC	2191R	COMSEC	2191R	COMSEC	2191R
COMSEC	2192R	COMSEC	2192R	COMSEC	2192R
COMSEC	2193R	COMSEC	2193R	COMSEC	2193R
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195R	COMSEC	2195R
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199R	COMSEC	2199R	COMSEC	2199R
FAM	2210				
FAM	2211				
FAM	2212				
FAM	2216				
FAM	2217				
FAM	2218				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
CD	2230R	CD	2230R		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				
CD	2236				
CD	2237				
CD	2238				
CD	2242R	CD	2242R	CD	2242R
CD	2243				
IAWFAT	2250				
IAWFAT	2251				
IAWFAT	2252				
IAWFAT	2253				
IAWFAT	2254				
IAWFAT	2255				

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	2256				
IAWFAT	2257				
IAWFAT	2258				
IAWFNT	2259				
IAWFNT	2260				
IAWFNT	2261				
IAWFNT	2262				
IAWFNT	2263				
IAWFST	2264				
IAWFST	2265				
IAWFST	2266				
IAWFST	2267				
IAWFST	2268				
IAWFST	2269				
CONFIG	2300R	CONFIG	2300R		
CONFIG	2301				
CONFIG	2302R	CONFIG	2302R		
CONFIG	2303R	CONFIG	2303R		
CONFIG	2304R	CONFIG	2304R		
CONFIG	2305R	CONFIG	2305R		
CONFIG	2306R	CONFIG	2306R		
CONFIG	2307R	CONFIG	2307R		
CONFIG	2308R	CONFIG	2308R		
CONFIG	2309R	CONFIG	2309R		
DLC	2320				
DLC	2321				
DLC	2322				
DLC	2323				
DLC	2324				
DLC	2325				
DLC	2326R	DLC	2326R	DLC	2326R
DLC	2327R	DLC	2327R	DLC	2327R
DLC	2328R	DLC	2328R	DLC	2328R
DLC	2329R	DLC	2329R	DLC	2329R
DLC	2330R	DLC	2330R	DLC	2330R
DLC	2331R	DLC	2331R	DLC	2331R

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
DLC	2332R	DLC	2332R	DLC	2332R
DLC	2333				
DLC	2334				
DLC	2335				
DLC	2336				
DLC	2337				
DLC	2338				
EQUIP	2380				
EQUIP	2381				
EQUIP	2424				
EQUIP	2425				
EQUIP	2426R	EQUIP	2426R	EQUIP	2426R
EQUIP	2427R	EQUIP	2427R	EQUIP	2427R
MMGT	2600				
MMGT	2601				
MMGT	2602R	MMGT	2602R		
MMGT	2603				
MMGT	2604				
MMGT	2605				
MMGT	2606				
MMGT	2607				
MMGT	2608R	MMGT	2608R		
MMGT	2609				
MMGT	2610				
MMGT	2611				
MMGT	2612				
MMGT	2613				
MMGT	2614				
OMGT	2680				
OMGT	2681R	OMGT	2681R	OMGT	2681R
OMGT	2682R	OMGT	2682R	OMGT	2682R
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686R	OMGT	2686R	OMGT	2686R
OMGT	2687				

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
OMGT	2688R	OMGT	2688R	OMGT	2688R
OMGT	2689				
OMGT	2690				
OMGT	2691				
OMGT	2692				
OMGT	2693				
OMGT	2694R	OMGT	2694R		
MISSION (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
EQUIP	EQUIP-3465	EQUIP		EQUIP	
	EQUIP-3466				
	EQUIP-3467R		EQUIP-3467R		EQUIP-3467R
	EQUIP-3468				
	EQUIP-3469				
MMGT	MMGT-3660	MMGT		MMGT	
	MMGT-3661R		MMGT-3661R		MMGT-3661R
	MMGT-3662				
OMGT	OMGT-3710R	OMGT	OMGT-3710R	OMGT	OMGT-3710R
	OMGT-3711				
	OMGT-3712				
	OMGT-3713R		OMGT-3713R		OMGT-3713R
	OMGT-3714				
	OMGT-3715				
MACG	MACG-3750R	MACG	MACG-3750R	MACG	MACG-3750R
	MACG0-3751R		MACG0-3751R		MACG0-3751R
	MACG-3752R		MACG-3752R		MACG-3752R
	MACG-3753R		MACG-3753R		MACG-3753R
	MACG-3754R		MACG-3754R		MACG-3754R
	MACG-3755R		MACG-3755R		MACG-3755R
	MACG-3756R		MACG-3756R		MACG-3756R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

8.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

8.5.1 INSTRUCTOR DESIGNATIONS

TAOC MAINTENANCE MOS 5948 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

8.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MAINTENANCE MOS 5979 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualification as an Tactical Data Systems Basic Technician (TDSBT). QUAL-6106	2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
Qualification as an Tactical Data Systems Advanced Technician (TDSAT). QUAL-6107	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Certification as a COMPTIA A+ Technician. CERT-6200	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Certification as a COMPTIA Network+ Technician. CERT-6201	2259, 2260, 2261, 2262, 2263, 3282
Certification as a COMPTIA Security+ Technician. CERT-6202	2264, 2265, 2266, 2267, 2268, 2269, 3283
Designation as a Tactical Data Systems Crew Chief (TDSCC). DESG-6308	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Designation as a Tactical Data Systems Maintenance Chief (TDSMC). DESG-6309	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044
Designation as a Maintenance Safety NCO. DESG-6340	2230, 2235, 2236
Designation as a Maintenance HAZMAT NCO. DESG-6341	2230, 2235, 2236
Designation as a Maintenance Publications NCO. DESG-6342	2230, 2234
Designation as a Maintenance Tools NCO. DESG-6343	2230, 2233
Designation as a Maintenance Calibrations NCO. DESG-6344	2230, 2231
Designation as a Maintenance Modifications NCO. DESG-6345	2230, 2232, 2234
Designation as a Maintenance Embarkation NCO. DESG-6346	2230, 2237
Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347	2159, 2230, 2602
Designation as a Maintenance Training NCO. DESG-6348	2230

Designation as a Maintenance Quality Control (QC) NCO. DESG-6352	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
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8.6 5979 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

8.6.1 Basic POI

TAOC MAINTENANCE 5979		
BASIC POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-40	CORE SKILL INTRODUCTION TRAINING	MCCES
30	CORE SKILL TRAINING	TACTICAL SQUADRON
48	MISSION SKILL TRAINING	TACTICAL SQUADRON
4	CORE PLUS	TACTICAL SQUADRON

8.6.2 Refresher POI

TAOC MAINTENANCE MOS 5979		
REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

8.7 SYLLABUS NOTES

8.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided



(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

8.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

8.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CPF by initial POI assignment are re-assigned to the M POI to maintain proficiency.

8.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for

EVENT TERMS	
TERM	DESCRIPTION
	knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

8.8 ACADEMIC PHASE (0000)

8.8.1 Purpose. **RESERVED FOR FUTURE USE**

8.8.2 General

8.8.2.1 Admin Notes.

8.8.2.2 Prerequisites.

8.8.2.3 Stages.

8.9 CORE SKILL INTRODUCTION PHASE (1000)

8.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5979 AIR DEFENSE SYSTEMS TECHNICIAN. This training is completed upon graduation from the AIR DEFENSE SYSTEMS TECHNICIAN Course.

8.9.2 General.

8.9.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual (MCBul 1200).

8.9.2.2 Admin Notes. None

8.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
8.9.3	AIR SCHOOLS (AIRS)

8.9.3 AIR SCHOOLS (AIRS) STAGE

8.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure and setup communications equipment, conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

8.9.3.2 General

Prerequisite. (1) Graduate from the Basic Electronics Course (CID: M092721);  
(2) Meet the 5979 requirements delineated in the MOS Manual.

Admin Notes. Aviation Communication Systems Technician Course (CID: M092721), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1110 \* B E G

Goal. Perform corrective maintenance on the Mobile Tactical Air Operations Module (MTAOM).

Requirement. Given the references:

1. Repair the System Level Equipment (SLE).
2. Repair the Operator Interface Equipment (OIE).
3. Repair the Data Processing Equipment (DPE).
4. Repair the Internal Radio Equipment (IRE).
5. Repair the Voice Communications Equipment (VCE).
6. Repair the Digital Communications Equipment (DCE).

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI, Vol 1 MTAOM Operations and Organizational Maintenance Manual, Volume 1
2. TM 08611B-OI, Vol 2 MTAOM Operations and Organizational Maintenance Manual, Volume 2
3. TM 08611B-OI, Vol 3 MTAOM Operations and Organizational Maintenance Manual, Volume 3
4. TM 10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V) 3
5. TM 10576D-OI Communications Interface System (CIS) AN/MRQ-12(V) 4

AIRS-1111 \* B E G

Goal. Perform operator/crew maintenance on the Composite Tracking Network (CTN).

Requirement. Given the references:

1. Describe CTN Components.
2. Maintain CTN equipment.

3. Configure CTN software.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-OI AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual for the Command System Tactical, AN/MSQ-143
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

AIRS-1112                   \*           B   E   G

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Goal. Perform corrective maintenance on Tactical Cable Assemblies.

Requirement. Given the references:

1. Measure cable performance.
2. Isolate faulty connection.
3. Splice cables.
4. Replace connectors.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ISBN 0-9754542-1-8 The Light Brigade OTDR Theory and Operations
2. ISBN 0-9754542-2-6 The Light Brigade Fiber Optic Test Equipment
3. ISBN 0-7668-1967-1 Technician's Guide to Fiber Optics 3rd Edition
4. ISBN 0-9754542-5-1 The Light Brigade Fiber Optic Splicing

AIRS-1113                   \*           B                                   E                                   G

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Goal. Perform Mobile Tactical Air Operations Module (MTAOM) operations.

Requirement. Given the references, perform the following:

1. Perform initialization procedures.
2. Perform fault check procedures.
3. Configure equipment for covered and uncovered voice communications.
4. Perform voice communication operational checks.
5. Configure equipment for digital communications.
6. Perform digital communications operational checks.
7. Make an operational database.
8. Perform system shutdown procedures.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI, Vol 1 MTAOM Operations and Organizational Maintenance Manual, Volume 1
2. TM 08611B-OI, Vol 2 MTAOM Operations and Organizational Maintenance Manual, Volume 2
3. TM 08611B-OI, Vol 3 MTAOM Operations and Organizational Maintenance Manual, Volume 3

AIRS-1114                   \*           B                                   E                                   G

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Goal. Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.

Requirement. Given the references:

1. Power on the CTN equipment.
2. Perform CTN net entry procedures.
3. Perform equipment fault checks.
4. Shutdown the CTN equipment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-O AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual for the Command System Tactical, AN/MSQ-143
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

AIRS-1115                   \*           B   E   G

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Goal. Perform basic Network Administration.

Requirement. Given the references and a sample network diagram:

1. Describe Network Cables.
2. Describe Switches.
3. Describe Ethernet Communication.
4. Describe Internet Protocol network addresses.
5. Configure workstations.
6. Configure Switches.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TCP/IP Network Administration ISBN #1-56592-322-7
2. Computer Network and Internets ISBN-13: 978-0136066989

AIRS-1116                   \*           B   E   G

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Goal. Perform basic UNIX Administration.

Requirement. Given the references:

1. Describe the UNIX file structure.
2. Navigate a UNIX file system.
3. Manipulate a UNIX file.
4. Perform text editing on a UNIX file.

5. Manage local UNIX user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ISBN 0-7645-0419-3 UNIX for Dummies 4th Edition
2. ISBN 0-672-31480-0 SAMS Teach Yourself UNIX in 24 Hours 2ndEdition
3. TO 31S5-TYQ123-8-1 JRE-GW Operation & Maintenance Instruction

AIRS-1117                      \*              B    E    G

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Goal. Perform corrective maintenance on the TAOM Interface Unit (TIU).

Requirement. Given the references:

1. Repair the Logic Interface Unit (LIU).
2. Repair the TIU power supplies.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 1049B-OD/2 TAOM Interface Group Maintenance Instruction

AIRS-1118                      \*              B    E    G

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Goal. Configure the TAOM Interface Unit (TIU) for operations.

Requirement. Given the references:

1. Configure TIU equipment.
2. Configure a database for radar operations.
3. Configure the Modern Tracking System.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 1049B-OD TAOM Operation & Organizational Maintenance Instructions

AIERS-1119 \* B E G

Goal. Describe the Tactical Air Operations Center (TAOC) C2 Equipment.

Requirement. Given the references:

1. Describe the CAC2S.
2. Describe the Tactical Air Operations Module Interface Unit.
3. Describe the functions of the BLOS Gateway.
4. Describe the Mobile Tactical Air Operation Module (MTAOM).
5. Describe the Composite Tracking Network (CTN).

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 1049B-OD TAOM Operation & Organizational Maintenance Instructions
2. TM 10200A-OI/1 ADCP Operation & Maintenance Instruction Manual
3. TM 11406-OR (CTN)
4. TO 31S5-TYQ123-8-1 JRE-GW Operation & Maintenance Instruction TM 08611B-OI (MTAOM)

AIERS-1121 \* B E G

Goal. Describe the Marine Air Control Squadron (MACS).

Requirement. Given the references:

1. Describe the role of the MACS.
2. Describe the Headquarters Detachment.



3. Describe the Air Traffic Control Detachment.
4. Describe the Tactical Air Operations Center Detachment.
5. Describe the Early Warning and Control Detachment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3 Marine Air Command and Control System Handbook
2. MCWP 3-25.6 Sector Anti-Air Warfare Coordinator Handbook
3. MCWP 3-25.7 Tactical Air Operations Center Handbook

#### 8.10 CORE SKILL TRAINING (2000)

8.10.1 Purpose. To develop core skill proficiency for 5979 personnel to be able to perform duties while assigned to the TAOC RADAR section.

(1) Basic Technicians will gain core skill proficiency in basic tactical data system administration, operations, and maintenance.

(2) Advanced Technicians will gain core skill proficiency in advanced system administration, maintenance, and maintenance management concepts.

(3) Crew Chiefs will gain core skill proficiency in managing tactical data systems crew level maintenance, and maintenance management. This training will provide the crew chief the skills necessary to run a tactical data system crew.

8.10.2 General.

8.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSBT). Core Skill Introduction training must be completed prior to beginning TDSBT training.

(2) Tactical Data System Advance Technician (TDSAT). Must be qualified as an TDSBT prior to beginning TDSAT training.

(3) Tactical Data Systems (TDSAT). Must be qualified as an TDSAT prior to beginning TDSAT training.

(4) Tactical Data Systems Maintenance Chief (TDSMC). Must be qualified as an TDSAT prior to beginning TDSMC training.

8.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the mission skill and core plus phases provided applicable prerequisites have been met.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

8.10.2.3 Stages. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
8.10.3	MACCS MAINTENANCE COMMON (CMN)
8.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
8.10.5	COMMUNICATION SECURITY (COMSEC)
8.10.6	FAMILIARIZATION (FAM)
8.10.7	COLLATERAL DUTY (CD)
8.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
8.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
8.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
8.10.11	CONFIGURATION (CONFIG)
8.10.12	DATA LINK COORDINATOR (DLC)
8.10.13	EQUIPMENT (EQUIP)
8.10.14	MAINTENANCE MANAGEMENT (MMGT)
8.10.15	OPERATIONAL MANAGEMENT (OMGT)

8.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

8.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSS within the MACCS.

8.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150    2.0    \*    B    L

Goal. Conduct an SL-3 inventory.

Requirement. Given the references and a piece of equipment with its record jacket containing an SL-3 extract, perform the following:

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable

components.

4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO p4400.150\_
2. MCO P4790.2\_
3. Applicable equipment SL-3 or TM

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CMN-2151      1.5      \*      B      L

Goal. Identify the purpose of Preventive Maintenance Checks and Services (PMCS).

Requirement. Given an end item, completed NAVMC 10561, and applicable references, perform the following:

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/\_
2. NAVMC 10561

3. MCO P4790.2\_
4. Applicable technical manuals
5. UM 4400.125 (Draft)

CMN-2152      2.0      \*      B      L

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Goal.      Submit a Product Quality Deficiency Report (PQDR).

Requirement.      Given the reference, equipment or a scenario:

1. State the criteria under which the PQDR should be submitted.
2. Complete the PQDR.
3. Explain the squadron's internal process for submitting a PQDR.
4. Identify the procedure to follow up with the PQDR.
5. Discuss external process flow of the PQDR.

Performance Standard.      Submit to the evaluator a correctly formatted PQDR IAW the reference without error. Minor errors corrected by the trainee are acceptable.

Instructor.      BI, SI

Prerequisite.      None.

Ordinance.      None.

Range.      None.

External Syllabus Support.      None.

Reference.

1. MCO P4790.2\_
2. Unit MMSOP
3. MCO 4855.10B PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
4. SECNAVINST 4855.5\_, Product Quality Deficiency Report Program
5. <http://www.logcom.usmc.mil/pqdr/files/PQDR%20Users%20Guide.pdf>.
6. [https://www.pdrep.csd.disa.mil/pdrep\\_files/training/online\\_train.htm](https://www.pdrep.csd.disa.mil/pdrep_files/training/online_train.htm)

CMN-2153      3.0      \*      B      Grnd Rod Kit/MK-2551A/U L

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Goal.      Demonstrate an earth ground installation.

Requirement.      Given the references, grounding kit and PPE, perform the following:

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:
  - a. Grounding rod.
  - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test

equipment.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2173

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Ground Procedures Manual
2. TC 11-6 Grounding Techniques

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CMN-2154      2.0      \*      B, R      L

Goal. Describe the characteristics of unit T/E generators.

Requirement. Identify the following:

1. Frequency.
2. Voltage(s).
3. Load capacity.
4. Fuel consumption.

Performance Standard. With the aid of reference, pass an exam on the above list without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment

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CMN-2155      1.0      \*      B      L

Goal. Describe T/E shelters.

Requirement. Given references and T/E shelters:

1. Identify the function of each.
2. Identify SL-3 components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Shelter Technical Manuals

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CMN-2156    2.0    \*    B    Shelter    L

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Goal. Emplace shelter.

Requirement. As a part of a crew, given a site diagram, Heavy Equipment, and a shelter, complete the following:

1. Place shelter according to site diagram.
2. Level shelter as required.

Performance Standard. Shelter is emplaced and leveled per the site diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2157    2.0    \*    B    Shelter    L

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Goal. Cable shelter for power.

Requirement. As a part of a crew, given references, cables, shelter, and grounding kit, complete the following steps:

1. Ground Shelter.
2. Connect Power Cable.
3. Energize specified section.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

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CMN-2158      1.0      \*      B      Tool box      L

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Goal. Demonstrate how to maintain a tool box.

Requirement. Given the references and a tool box, complete the following steps to sustain tool accountability and serviceability:

1. State the purpose of a tool box and assigned responsibilities.
2. Ensure tool box record jacket is current.
3. Conduct an SL-3 inventory of all tools in the tool box.
4. PM each tool and ensure it is serviceable.
5. State the process for replacement of the unserviceable tools.
6. State the process for replacement of missing tools.
7. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2\_
3. MCO p4400.150\_

4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159    1.0    \*    B, R    GCSS    L

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Goal.    Initiate a service request.

Requirement.    Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access, perform the following:

1. Login to GCSS.
2. Open a new service request.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).
4. Forward service request to the next level IAW SOP.

Performance Standard.    With the aid of reference, complete the requirements IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite.    None.

Ordnance.    None.

Range.    None.

External Syllabus Support.    Appropriate GCSS access

Reference.

1. UM 4790.5
2. TM 4700-15/1\_
3. MCO P4790.2\_
4. MCBUL 3000
5. MCO P4400.16\_
6. Unit Maintenance Administration SOP

#### 8.10.4    TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

8.10.4.1    Purpose.    To teach the trainee how to use various test equipment that will be used in the performance of their assigned duties.

##### 8.10.4.2    General

Prerequisite.    None

Admin Notes.    None

Crew Requirements.    None

TMDE-2171    2.0    \*    B, R    Oscilloscope    L

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Goal.    Utilize an oscilloscope.



Requirement. Given the references, an oscilloscope and a signal generator:

1. State the purpose of an oscilloscope.
2. Verify calibration is current.
3. Measure a signal.
4. Report the results.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2172

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11277A-OI/1 OSCILLOSCOPE TDS 5054B-NV-AV TM 11277A-ID/2 OSCILLOSCOPE TDS 5054B-NV-AV

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TMDE-2172 2.0 \* B, R Signal generator L

Goal. Demonstrate the use of a signal generator.

Requirement. Given a signal generator demonstrate the following:

1. Verify current calibration.
2. Configure signal generator for output.
3. Verify output.

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable signal generator manual and equipment TM

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TMDE-2173 2.0 \* B, R R1L-C L

Goal. Utilize a Ground Tester.

Requirement. Given a ground tester, grounded equipment, and references:

1. State the purpose of a ground tester.
2. Verify calibration is current.
3. Measure resistance to ground in ohms.
4. State whether the ohm level is within tolerance.
5. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms, report results without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15
2. TM 10069A-14 O&M w/IPB R1L-C

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TMDE-2175    1.0    \*    B, R    Multimeter    L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

1. State the purpose of the multimeter.
2. Verify calibration is current.
3. Perform continuity check on a cable or wire.
4. Measure resistance.
5. Measure voltage (AC and DC).
6. Adhere to safety procedures.

Performance Standard. With the aid of reference, demonstrate the proper use of a multimeter by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2177 1.0 \* B, R Wattmeter L

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Goal. Utilize a wattmeter.

Requirement. Given the reference, a watt meter, VSWR chart, a radio and required antenna or dummy load:

1. State the purpose of the watt meter.
2. Verify calibration is current.
3. Select appropriate configuration.
4. Measure forward power.
5. Measure reflected power.
6. Calculate voltage standing wave ratio (VSWR).

Performance Standard. With the aid of reference, utilize a watt meter by demonstrating the requirement without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 09916A-14&P/1 - Test Set, Radio Frequency Model 4410-030

TMDE-2178 1.0 \* B, R OTDR L

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Goal. Utilize an Optical Time Domain Reflectometer (OTDR).

Requirement. Given the reference, an OTDR and a fiber optical cable:

1. State the purpose of an OTDR.
2. Verify calibration is current.
3. Determine the length of the fiber cable using the OTDR.
4. Determine the amount of signal loss (dB) using the OTDR.

Performance Standard. With the aid of reference, utilize an Optical Time Domain Reflectometer by completing the requirements without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable OTDR Manual

#### 8.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

8.10.5.1 Purpose. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout. Additionally, trainee learns to identify and load CCI devices.

#### 8.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

1. State the different levels of classification.
2. State the marking requirements for each level of classification.
3. State the Two-Person Integrity (TPI) rule.
4. State storage procedures for each level of classification.
5. Identify transportation requirements for classified material.
6. State the sections of the SF-702.
7. Identify the approved security containers utilized for storage.
8. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

Performance Standard. With the aid of reference, state the above requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18\_
2. EKMS-1\_

3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M \_\_\_\_\_ L

Goal. State the physical security requirements for classified areas.

Requirement. Given a tactical scenario and references, identify the following:

1. Purpose of a guard schedule.
2. Purpose of access control.
3. Purpose of the entry control point.
4. Perimeter barrier requirements.

Performance Standard. With the aid of reference, pass an exam without error.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2192 2.0 365 B, R, M \_\_\_\_\_ L

Goal. Create a classified area physical security diagram.

Requirement. Given a tactical scenario and references, create a diagram that includes the following:

1. Entry control point(s).
2. Perimeter barrier.
3. Communication lines.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement without error; instructor will validate that the diagram supports the scenario. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

COMSEC-2193 2.0 365 B, R, M L

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Goal. Conduct classified material inventory.

Requirement. During a crew change over, perform the following:

1. Conduct classified material inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the requirements without discrepancy.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 \* B, R L

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Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references, perform the following:

1. State the purpose of the EKMS COMSEC callout.
2. Identify the five main pieces of key information:
  - a. Short Title.
  - b. Edition.
  - c. Segment.
  - d. Classification.
  - e. Supersession date.
3. Identify segment roll over dates and time.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. MCWP 3-40.3

COMSEC-2195 2.0 365 B, R, M L

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Goal. Utilize a Common Fill Device.

Requirement. Given (2) loaded common fill devices and a zeroized cryptographic device, perform the following:

1. Describe the purpose of common fill device.
2. Define the common fill device loading procedure.
3. Configure the common fill device.
4. Identify common fill device indicators and messages.
5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
6. Transfer cryptographic information from common fill device to common fill device.
7. Destroy superseded keying material within the cryptographic fill device.

Performance Standard. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material without error.

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_

COMSEC-2196 2.0 \* B L

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Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify classified material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify classified material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SECNAV 5510.36\_
2. MCO 5510.18\_
3. UNIT SOP
4. EKMS-1\_

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COMSEC-2197 2.0 \* B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify EKMS material is stored IAW the reference.
2. Verify proper destruction of material IAW the reference.
3. Verify EKMS material is transported IAW the reference.

Performance Standard. With the aid of reference, validate EKMS material handling procedures are being implemented by completing the requirement items without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

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COMSEC-2198 1.0 \* B L



Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

1. Verify CCI material is stored IAW the reference.
2. Verify SF-702s are completed IAW the reference.
3. Verify CCI material is transported IAW the reference.

Performance Standard. With the aid of reference, validate classified material handling procedures are being implemented by completing the requirement without error.

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1\_
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M \_\_\_\_\_ L

Goal. Ensure physical security of classified areas.

Requirement. Given references and a classified area, verify the following:

1. Guard schedule.
2. Access Control.
3. Perimeter barrier.

Performance Standard. Verify the physical security of the classified area IAW the references. Complete the requirements without error.

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5530.14
2. FM 5-34\_

#### 8.10.6 FAMILIARIZATION (FAM) STAGE

8.10.6.1 Purpose. To familiarize the trainee on non-MOS equipment.

8.10.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2176, 2177, 2178, 2179, 2190, 2191, 2195, 2230, 2381, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2397, 2398, 2399, 2403, 2404, 2405, 2692, 3470, 3712, 3715, 6100

Admin Notes. None

Crew Requirements. None

FAM-2210      2.0      \*      B      L

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Goal. Describe HF, VHF, UHF, SATCOM radio characteristics.

Requirement. Given a list of radio equipment, describe the following characteristics for each:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B(V)4
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103(V)2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2211 3.0 \* B L

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Goal. State the purpose of Automated Data Processing Equipment (ADPE).

Requirement. Given references, Network Switch, Router, Server, and Workstation and complete the following:

1. State the purpose for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

FAM-2212 2.0 \* B L

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Goal. Describe the CAC2S.

Requirement. Given a CAC2S and IETM, complete the following:

1. Identify the purpose of the CAC2S.
2. Identify its functions.
3. Identify software.
4. Identify hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CAC2S IETM

FAM-2216      2.0      \*      B      L

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Goal. Identify the Intelligence Operations Workstation (IOW).

Requirement. Given the references and an IOW:

1. Describe the purpose of the IOW.
2. Describe the function of the IOW.
3. Describe software on the IOW.
4. Describe hardware components.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. IOS/IOW User's Manual
2. SL-3-10848D
3. MarineNet - C2PC Course Code C2P001

FAM-2217      1.0      \*      B      L

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Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

1. AN/VRC 103.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
2. AN/VRC 104.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
3. AN/VRC 110.
  - a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
4. AN/GRC 171B(V)4.

- a. Frequency range.
  - b. Power output.
  - c. Types of antennas.
5. AN/GRC-256
- a. Frequency range
  - b. Power output
  - c. Types of antennas.
6. AN/USQ-140 (V) 2
- a. Frequency range
  - b. Power output
  - c. Types of antennas.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09780A-13&P/1 Radio Set AN/GRC-171B (V) 4
2. TM 10822A-OR AN/PRC-150 (C) Advanced Tactical HF Radio
3. TM 11255A-OR/1 AN/VRC-103 (V) 2 Vehicular Radio Communication System
4. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

FAM-2218      1.0      \*      B      \_\_\_\_\_      L

Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

1. TBMCS.
2. AFATDS.
3. C2PC.
4. JADOCs.
5. Transverse (chat program).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

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FAM-2219    1.0    \*    B    L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

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FAM-2220    1.0    \*    B    L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

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FAM-2221      1.0      \*      B      L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

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FAM-2222      1.0      \*      B      L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

1. Describe the purpose of the KG-175 TACLAN.
2. State the purpose of the KG-175 TACLAN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

8.10.7 COLLATERAL DUTY (CD) STAGE

8.10.8.1 Purpose. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

8.10.8.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

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CD-2230      8.0      \*      B, R      L

Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

1. Calibration CD.
  - a. State the purpose of the TMDE program.
  - b. State the duty responsibilities.
2. Modification CD.
  - a. State the purpose of the modification program.
  - b. State the duty responsibilities.
3. Tool Control CD.
  - a. State the purpose of the tool control program.
  - b. State the duty responsibilities.
4. Publications CD.
  - a. State the purpose of the publications program.
  - b. State the duty responsibilities.
5. Safety CD.
  - a. State the purpose of the safety program.
  - b. State the duty responsibilities.
6. Hazmat CD.
  - a. State the purpose of the HAZMAT program.
  - b. State the duty responsibilities.
7. Embarkation.
  - a. State the purpose of the embarkation program.
  - b. State the duty responsibilities.
8. MIMMS.
  - a. State the purpose of the MIMMS program.
  - b. State the duty responsibilities.



9. Records.
  - a. State the purpose of the records program.
  - b. State the duty responsibilities.
10. Quality Control.
  - a. State the purpose of the quality control program.
  - b. State the duty responsibilities.
11. Training Program
  - a. State the purpose of the Training program.
  - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2
4. TM 4700-15/1
5. Applicable CD Desktops
6. MCO 5100.29
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231      1.0      \*      B      L

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Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP

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CD-2232      2.0      \*      B      L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance modification program.
2. Demonstrate how modifications are:
  - a. Identified.
  - b. Verified.
  - c. Recorded.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. PLMS
2. MCO P4790.2C
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

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CD-2233      2.0      \*      B      L

Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
  - a. Inventory schedule.
  - b. Check-in/Check-out.
  - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

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CD-2234      2.0      \*      B      L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

Performance Standard. With the aid of reference, demonstrate the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235      2.0      \*      B      L

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Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
  - a. Define ESD.
  - b. Setup ESD workstation.
  - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
  - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
  - a. Electrical hazards.
  - b. Eye hazards.
  - c. Hearing hazards.
  - d. RF hazards.
  - e. Fire hazards.
5. Identify HAZMAT procedures.
  - a. State purpose of a Material Safety Data Sheets (MSDS).
  - b. Properly store and label HAZMAT materials.
  - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
  - d. State the purpose of and locate and read safety board.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29\_
2. MCO 4450.12\_
3. MCO 5100.8\_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236      2.0      \*      B      L

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Goal. State the purpose of the Material Safety Data Sheet (MSDS) and

the MSDS compliance center.

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
  - a. Chemical identity.
  - b. Manufactures name and contact information.
  - c. Hazardous ingredients/identity information.
  - d. Physical/chemical characteristics.
  - e. Fire and explosion hazard data.
  - f. Reactivity data.
  - g. Health hazard data.
  - h. Precautions for safe handling and use.
  - i. Control measures.
3. State the purpose of the MSDS center.
4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2\_
6. Associated Desktop
7. OSHA 29 CFR refer to  
[http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=standards&p\\_id=10099](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099)

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CD-2237      3.0      \*      B      L

Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3\_ Unit Embarkation Handbook
2. MCO P4790.2\_
3. Technical Manuals
4. Maintenance Embarkation Program Desktop

CD-2238      1.0      \*      B      \_\_\_\_\_ L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. TM-4700-15/1\_
3. MCO 5210.11E

CD-2242      2.0      1460      B, R, M      L

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Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
  - a. Ensure equipment is being maintained to equipment standards.
  - b. Ensure quality controls are being adhered to.
  - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
  - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
  - e. Verify the repair process is properly implemented by ensuring that:
    - (1) Proper tools were used.
    - (2) ESD procedures were used.
    - (3) Safety warnings were adhered to.
    - (4) Necessary defective parts were replaced.
    - (5) Correct software was used, as applicable.
    - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243 2.0 \* B L

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Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.
3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2\_
3. NAVMC 3500.14\_
4. MCRP 3-01\_

#### 8.10.8 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

8.10.8.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

#### 8.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 \* B E L

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Goal. Explain PC hardware.

Requirement. Without the aid of references, perform the following:

1. Explain and apply BIOS settings.



2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Explain the installation and configuration of expansion cards.
5. Explain installation and configuration of storage devices and appropriate media.
6. Differentiate among various CPU types and features and select the appropriate cooling method.
7. Compare various connection interfaces and explain their purpose.
8. Identify the appropriate power supply based on a given scenario.
9. Evaluate and select appropriate components for a custom configuration, to meet customer specifications or needs.
10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2251 4.0 \* B E L

Goal. Explain networking concepts.

Requirement. Without the aid of references, perform the following:

1. Identify types of network cables and connectors.
2. Categorize characteristics of connectors and cabling.
3. Explain properties and characteristics of TCP/IP.
4. Explain common TCP and UDP ports, protocols, and their purpose.
5. Compare wireless networking standards and encryption types.
6. Install, configure, and deploy a SOHO wireless/wired router using appropriate settings.
7. Compare Internet connection types and features.
8. Identify various types of networks.
9. Compare network devices their functions and features.
10. Given a scenario, use appropriate networking tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2252 4.0 \* B E L

Goal. Explain laptop features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Install and configure laptop hardware and components.
2. Compare the components within the display of a laptop.
3. Explain the differences between the various printer types and summarize the associated imaging process.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2253 4.0 \* B E L

Goal. Explain printer features and characteristics.

Requirement. Without the aid of references, perform the following:

1. Explain the differences between the various printer types and summarize the associated imaging process.
2. Given a scenario, install, and configure printers.
3. Given a scenario, perform printer maintenance.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2254 4.0 \* B E L

Goal. Explain operational procedures.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, use appropriate safety procedures.
2. Explain environmental impacts and the purpose of environmental controls.
3. Given a scenario, demonstrate proper communication and professionalism.
4. Explain the fundamentals of dealing with prohibited content/activity.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2255 4.0 \* B E L

Goal. Explain operating systems.

Requirement. Without the aid of references, perform the following:

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are

- organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
  7. Perform preventive maintenance procedures using appropriate tools.
  8. Explain the differences among basic OS security settings.
  9. Explain the basics of client-side virtualization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2256 4.0 \* B E L

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Goal. Explain security.

Requirement. Without the aid of references, perform the following:

1. Apply and use common prevention methods.
2. Explain the implementation of security best practices to secure a workstation.
3. Given a scenario, use the appropriate data destruction/disposal method.
4. Given a scenario, secure a SOHO wireless network.
5. Given a scenario, secure a SOHO wired network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-2257 4.0 \* B E L

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Goal. Explain Mobile Devices.

Requirement. Without the aid of references, perform the following:

1. Explain the basic features of mobile operating systems.
2. Establish basic network connectivity and configure email.
3. Compare methods for securing mobile devices.
4. Compare hardware differences in regards to tablets and laptops.
5. Execute and configure mobile device synchronization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

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IAWFAT-2258 4.0 \* B E L

Goal. Explain Troubleshooting.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.10.9 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

8.10.9.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 \* B E L

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Goal. Explain Networking Concepts.

Requirement. Without the aid of references, perform the following:

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
5. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2260 4.0 \* B E L

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Goal. Explain Network Installation and Configuration.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, install and configure routers and switches.
2. Given a scenario, install and configure a wireless network.
3. Explain the purpose and properties of DHCP.
4. Given a scenario, troubleshoot common wireless problems.
5. Given a scenario, troubleshoot common router and switch problems.
6. Given a set of requirements, plan and implement a basic SOHO network.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2261 4.0 \* B E L

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Goal. Explain Network Media and Topologies.

Requirement. Without the aid of references, perform the following:

1. Categorize standard media types and associated properties.
2. Categorize standard connector types based on network media.
3. Compare different wireless standards.
4. Categorize WAN technology types and properties.
5. Describe different network topologies.
6. Given a scenario, troubleshoot common physical connectivity problems.
7. Compare different LAN technologies.
8. Identify components of wiring distribution.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2262 4.0 \* B E L

Goal. Explain Network Management.

Requirement. Without the aid of references, perform the following:

1. Explain the purpose and features of various network appliances.
2. Given a scenario, use appropriate hardware tools to troubleshoot connectivity issues.
3. Given a scenario, use appropriate software tools to troubleshoot connectivity issues.
4. Given a scenario, use the appropriate network monitoring resource to analyze traffic.
5. Explain the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFNT-2263 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of references, perform the following:

1. Given a scenario, implement appropriate wireless security measures.
2. Explain the methods of network access security.
3. Explain methods of user authentication.
4. Explain common threats, vulnerabilities, and mitigation techniques.
5. Given a scenario, install and configure a basic firewall.
6. Categorize different types of network security appliances and methods.



Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

8.10.10.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 \* B E L

Goal. Explain Network Security.

Requirement. Without the aid of reference, perform the following:

1. Explain the security function and purpose of network devices and technologies.
2. Describe the implementation of secure network administration principles.
3. Describe between network design elements and components.
4. Describe the use common protocols.
5. Identify commonly used default network ports.
6. Describe the implementation of a wireless network in a secure manner.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2265 4.0 \* B E L

Goal. Explain Operational Security.

Requirement. Without the aid of reference, perform the following:

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.
3. Explain appropriate incident response procedures.
4. Explain the importance of security related awareness and training.
5. Compare aspects of business continuity.
6. Explain the impact and proper use of environmental controls.
7. Execute disaster recovery plans and procedures.
8. Explain the concepts of confidentiality, integrity and availability (CIA).

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2266 4.0 \* B E L

Goal. Explain threats and vulnerabilities.

Requirement. Without the aid of reference, perform the following:

1. Explain the types of malware.
2. Explain types of attacks.
3. Explain types of social engineering attacks.
4. Explain types of wireless attacks.
5. Explain types of application attacks.
6. Explain types of mitigation and deterrent techniques.
7. Explain assessment tools and techniques to discover security threats and vulnerabilities.
8. Within the realm of vulnerability assessments, explain the proper

use of penetration testing versus vulnerability scanning.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2267 4.0 \* B E L

Goal. Explain cryptography.

Requirement. Without the aid of reference, perform the following:

1. Summarize general cryptography concepts.
2. Explain the appropriate cryptographic tools and products.
3. Explain the core concepts of public key infrastructure.
4. Explain the Implementation of PKI, certificate management and associated components.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2268 4.0 \* B E L

Goal. Explain access control and identity management.

Requirement. Without the aid of reference, perform the following:

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.

3. Explain the Implementation of appropriate security controls when performing account management.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFST-2269 4.0 \* B E L

Goal. Explain application, data and host security.

Requirement. Without the aid of reference, perform the following:

1. Explain the importance of application security.
2. Explain the appropriate procedures to establish host security.
3. Explain the importance of data security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 8.10.11 CONFIGURATION (CONFIG) STAGE

8.10.11.1 Purpose. To instruct the trainee on configuration of the TAOC, TDS equipment.

#### 8.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

CONFIG-2300 1.0 \* B, R L

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Goal. Build a data base for the TAOM or MTAOM.

Requirement. Given the references and a scenario, build a database for the TAOM or MTAOM:

1. Load and initialize a data base.
2. Enter a required minimum of 5 data base entries.
  - a. Magnetic Variation.
  - b. Data link reference point.
  - c. Data link address.
  - d. Track # block.
  - e. Unit position.
3. Enter required voice communication entries, based on mission.
4. Enter required radar data base entries, based on mission.
5. Enter required Data link entries, based mission. .
6. Record all data base entries above.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

CONFIG-2301 1.0 \* B L

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Goal. Verify voice communications are operational.

Requirement. Given a scenario, operational documents, and a configured TAOM or MTAOM with CS:

1. Verify radio frequency configuration.
2. Verify Crypto.
3. Verify antenna type and locations.
4. Verify radio assignments to nets.
5. Verify restoration priorities.
6. Conduct radio check with external agency.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. TM 10200A-OI/1 ADCP Maintenance Manual
3. TM 10389-12 CTT Operators & Unit Maintenance Manual
4. TM 10389-30 CTT Direct Support Maintenance Manual

CONFIG-2302 8.0 \* B, R L

Goal. Restore system software for MTAOM, CTN, and JRE.

Requirement. With the aid of reference, perform the following:

1. Restore operating system from clone or image.
2. Update to current fielded software version as required.
3. Configure operating system as required.
4. Document changes to system configuration.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI

7. TM 11406A-OR/2

CONFIG-2303 4.0 \* B, R L

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Goal. Perform data recovery management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Plan data backup.
2. Create data backup.
3. Restore data from backup.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis).
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2304 4.0 \* B, R L

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Goal. Perform logfile management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2305 4.0 \* B, R L

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Goal. Perform account management on a TDS system.

Requirement. With the aid of reference, perform the following:

1. Manage user accounts.
2. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2306 4.0 \* B, R L

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Goal. Apply Software release updates for TDS system.

Requirement. With the aid of reference, perform the following:

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup data as required.
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2307 6.0 \* B, R L

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Goal. Update firmware within TDS systems.

Requirement. With the aid of reference, perform the following:

1. Verify version of firmware on TDS equipment.
2. Update to current fielded firmware version as required.
3. Document changes as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
7. TM-08611B-OI
8. TM 11406A-OR/2.

CONFIG-2308 8.0 \* B, R L

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Goal. Configure TDS network equipment.

Requirement. With the aid of reference, perform the following:

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

CONFIG-2309 8.0 \* B, R L

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Goal. Configure TDS circuit cards.

Requirement. With the aid of reference, perform the following:

1. Energize components.
2. Configure circuit card.
3. Conduct operational status check.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

#### 8.10.12 DATA LINK COORDINATOR (DLC) STAGE

8.10.12.1 Purpose. Provides the trainee instruction to operate, configure, and troubleshoot doctrinal datalinks and protocols.

##### 8.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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DLC-2320    1.0    \*    B    L

Goal. State the purpose of Interface Coordination.

Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
  - a. Data registration.
  - b. Sensor registration.
  - c. Correlation.
  - d. Common track.
  - e. Dual designation.
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JMTOP, what is the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO).

11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6016\_

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DLC-2321      1.0      \*      B      L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
  - a. Link 11 Transmit filter.
  - b. Link 11B Transmit filter.
  - c. Link 16 Transmit filter.
  - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
  - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
  - f. Transmit filter for all data links in a multi-link interface.
  - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
  - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
  - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
  - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
  - a. Geographic filters.
  - b. Fixed or slaved filters.
  - c. Identification filters.
  - d. Environment filters.

- e. Reference point filters.
  - f. EW filters.
  - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual

DLC-2322    1.0    \*    B    \_\_\_\_\_    L

Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
  - a. Net Control Station (NCS).
  - b. Picket.
3. Define the following Link 11 net modes of operation:
  - a. Roll Call.
  - b. Broadcast (Long).
  - c. Short Broadcast.
  - d. Net Sync.
  - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
  - a. Conventional Link 11 Waveform (CLEW).
  - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
  - a. A1.
  - b. A2.
  - c. B.
  - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2323    1.0    \*    B    L

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Goal. State the characteristics of and terms associated with Link 11B.

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
  - a. Limited Transmission of Data (LTD) mode.
  - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2324    1.0    \*    B    L

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Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
  - a. Active Synchronization.
  - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
  - c. Conditional Radio Silence Mode.
  - d. Contention Access Mode.
  - e. Dedicated Access Mode.
  - f. Donor.
  - g. Dynamic Network Management.
  - h. Extension Word.
  - i. Geodetic Position Quality.
  - j. Header Message.
  - k. Host System.
  - l. Initial Entry.
  - m. Initial Entry JTIDS/MIDS Unit (IEJU).
  - n. Machine Receipt.
  - o. Multifunctional Information Distribution System (MIDS).
  - p. Minimum Implementation.
  - q. Mode 1, 2, and 4 Communications.
  - r. Net Number.
  - s. Network Participation Group.
  - t. Network Time Reference.
  - u. Non-Command and Control JTIDS/MIDS Unit (NonC2 JU).
  - v. Pool.
  - w. Passive Synchronization.
  - x. Recurrence Rate.
  - y. Reed-Solomon Code.
  - z. Relative Position Quality.
  - aa. Relay Block.
  - bb. Round-Trip Timing (RTT).
  - cc. Stacked Net.
  - dd. Synchronization.
  - ee. Time (System & Terminal).
  - ff. Time Quality (QT).
  - gg. Time Slot.
  - hh. Time Slot Reallocation Access Mode.
3. Describe the information contained in the Scope section of MIL-STD-3011's following appendices:
  - a. Appendix A.
  - b. Appendix B.
  - c. Appendix C.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2325    1.0    \*    B    \_\_\_\_\_    L

Goal. State the characteristics of Joint Range Extension Application Protocol (JREAP).

Requirement. Given references:

1. Define Joint Range Extension Application Protocol (JREAP).
2. List the capabilities of JREAP.
3. Define the following terms associated with JREAP:
  - a. Common Time Reference.
  - b. Demand Access Multiple Access (DAMA).
  - c. Joint Range Extension (JRE).
  - d. JRE Network Controller.
  - e. JRE Source Track Number.
  - f. Link 16 Zone.
  - g. Multicast.
  - h. Packet.
  - i. Port.
  - j. Secondary Track Number.
  - k. Token Passing.
  - l. Transmission Sequence List.
  - m. Unicast.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2326    2.0    730    B, R, M    \_\_\_\_\_    L

Goal. Operate Link 11.

Requirement. Given the references, operational documents, and a C2



system:

1. Extract required information from the OPTASKLINK.
2. Input the required database entries.
3. Enter and activate filters.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
  - a. Radio Silent.
  - b. Net Control Station (NCS).
  - c. Picket.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website  
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-2327    2.0    730    B, R, M    L

Goal. Operate Link 11B.

Requirement. Given the references, operational documents, and a C2 system:

1. extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
  - a. Limited Transmission of Data (LTD).
  - b. Full Transmission of Data (FTD).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website  
<https://standmgt.disa.mil/restricted/usmtf/>

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DLC-2328    2.0    730    B, R, M    L

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Goal. Operate Link 16.

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control.
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly.
7. Validate the equipment is keyedLoad the appropriate time and IDL.
8. Load the initialization data load (IDL).
9. Perform link entry procedures Perform net exit procedures.
10. Achieve fine synchronization with another interface unit.
11. Operate in/as the following:
  - a. Radio Silent or data silent.
  - b. Network Time Reference (NTR).
  - c. Initial Entry JTIDS Unit (IEJU).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual

2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-2329    2.0    730    B, R, M    \_\_\_\_\_    L

Goal.    Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement.    Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
  - a. Clients.
  - b. Roles.
  - c. Client Applications Settings.
  - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
  - a. Operator Action.
  - b. eDERG.
  - c. ATO.
  - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard.    Complete the requirement items IAW the references without error.    Minor errors corrected by the trainee are acceptable.

Instructor.    BI, SI

Prerequisite.    None.

Ordinance.    None.

Range.    None.

External Syllabus Support.    None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual

DLC-2330    2.0    730    B, R, M    \_\_\_\_\_    L

Goal.    Operate JREAP A.

Requirement.    Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.

4. Validate JREAP A equipment is connected.
5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information.
10. Demonstrate the ability to operate in the following modes:
  - a. Network Participant.
  - b. Network Controller.
  - c. Network Listener.

Performance Standard. Successfully exchange tracks.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

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DLC-2331    2.0    730    B, R, M    L

Goal. Operate JREAP B.

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Configure the serial line encryption device for JREAP B operations.
2. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
3. Build the JREAP B link in the JRE-GW.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP B.

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2332    2.0    730    B, R, M    L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
  - a. TCP.
  - b. UDP.
  - c. MTC.
  - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2333    3.0    \*    B    L

Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.

7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-2334 3.0 \* B L

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Goal. Troubleshoot Link 11B.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the external data path is established.
3. Select and monitor Link 11B messages.
4. Recognize and take appropriate action for an incorrect DLRP.
5. Recognize and take appropriate action for incorrect crypto.
6. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-2335 3.0 \* B L

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Goal. Troubleshoot Link 16.

Requirement. Given a C2 system with Link 16:

1. Determine if the internal data path being used for Link 16 is functional.
2. Recognize and take appropriate action for incorrect time.
3. Recognize and take appropriate action for incorrect crypto.
4. Recognize and take appropriate action for incorrect IDL.
5. Select and monitor Link 16 messages.
6. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. System Technical Manual

DLC-2336 3.0 \* B L

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Goal. Troubleshoot JREAP A.

Requirement. Given a C2 system with a malfunctioning JREAP A:

1. Use the SATCOM radio's receive signal strength orderwire (RSSOW) to troubleshoot antenna elevation and azimuth.
2. Troubleshoot the SATCOM radio's satellite connection status.
3. Determine if the TAOC's Interface Unit address is in the Network Controller's subscriber list.
4. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. System Technical Manual

DLC-2337      3.0      \*      B      L

Goal. Troubleshoot JREAP B.

Requirement. Given a C2 system with a malfunctioning JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

DLC-2338      3.0      \*      B      L

Goal. Troubleshoot JREAP C.

Requirement. Given a C2 system with a malfunctioning JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.



Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

#### 8.10.13 EQUIPMENT (EQUIP) STAGE

8.10.13.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 8.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 \* B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140(V)2.
6. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2381 4.0 \* B L

Goal. Identify the major components of the AN/USQ-140 (V) 2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2424 6.0 \* B L

Goal. Set-up the Mobile Tactical Air Operations Module (MTAOM).

Requirement. As a member of a TDS crew, given a ADCP, PPE, and the

reference, complete the following steps:

1. Unpack MTAOM.
2. Ground MTAOM and Integrated Trailer Environmental Control Unit Generator (ITEG).
3. Set up a MTAOM Operational Facility (OPFAC).
  - a. Emplace Tent Case.
  - b. Emplace smart tables.
  - c. Emplace OIE.
  - d. Connect OIE to Tent Case.
4. Connect Air Conditioners.
5. Connect power cables. .
6. Erect antennas and connect RF cables.
8. Operate the ITEG.
9. energize the system.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2425 6.0 \* B L

Goal. Tear down the Mobile Tactical Air Operations Module (MTAOM).

Requirement. As a member of a TDS crew, given a ADCP, PPE, and the reference, complete the following steps:

1. Shutdown MTAOM.
2. Remove and store classified hardware.
3. Remove Grounding cables/braids.
4. Disconnect Air Conditioners.
5. Disconnect power cables. .
6. Take down antennas and disconnect RF cables.
7. Disconnect fiber optic cables.
8. pack-up TAOM .

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2426 6.0 730 B, R, M L

Goal. Set-up the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the reference, complete the following steps:

1. Unpack CTN.
2. Ground CTN and generator.
3. Connect power cables. .
4. Employ generator.
5. Erect antennas and connect RF cables.
6. Connect fiber optic cables.
7. Energize the system.
8. Configure CTN for operations.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2427 6.0 730 B, R, M L

Goal. Tear-down the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the

reference, complete the following steps:

1. Shutdown CTN.
2. Remove and store classified hardware.
3. Remove Grounding cables/braids.
4. Disconnect Air Conditioners.
5. Disconnect power cables. .
6. Take down antennas and disconnect RF cables.
7. Disconnect fiber optic cables.
8. pack-up CTN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

#### 8.10.14 MAINTENANCE MANAGEMENT (MMGT) STAGE

8.10.14.1 Purpose. To train the trainee on the basic skills necessary to perform as a member of a maintenance shop.

#### 8.10.14.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2600    3.0    \*    B    L

Goal. Ensure preparatory measures are taken for disposition of equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the

process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

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MMGT-2601 1.0 \* B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-4700-15/1H
2. MCO P4790.2\_

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MMGT-2602 4.0 \* B, R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
  - a. Maintenance Production Report (MPR).
  - b. Equipment Status Report (ESR).
  - c. Preventative Maintenance Report.
  - d. Calibrations Report.
  - e. Modification Instruction report.
  - f. Maintenance Management Report (MMR).
  - g. Loaded unit balance file (LUBF).
  - h. Due and status file (DASF).
  - i. Service Request (SR).
    - (1) Tasks.
    - (2) Notes.
    - (3) Parts Requirements.
  - j. Inspection repair tag (NAVMC 1018).
  - k. Layette bin.
    - (1) Sub-Inventory.
    - (2) Stage.
  - l. Oracle Installed Base.
    - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_
2. MCBUL 3000
3. MCO P4400.16-
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 \* B L

Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

1. Define the purpose of the SECREP management process.
2. Define the purpose of Critical Low Density SECREP exchange process.
3. Identify the key components of the SECREP exchange process.
4. Identify the key documentation within each component of the SECREP exchange process.
5. Identify the SECREP management re-computation process.
6. Identify Low Density SECREP assets.

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2\_
2. MCO P4400.150\_
3. FEDLOG

MMGT-2604 2.0 \* B L

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Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.



External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-2605 2.0 \* B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

Performance Standard. With the aid of reference, define the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-2606 2.0 \* B L

Goal. Induct new equipment into service.

Requirement. Given a Material Fielding Plans (MFP) or Users Logistics Support Summary (ULSS), and applicable references, demonstrate and validate the induction of new equipment into service.

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
  - a. Ensure record jacket was created with proper documentation IAW the reference.
  - b. Ensure initial SL-3 was performed.
  - c. Ensure an initial LTI was performed.
  - d. Ensure induction of new equipment into calibration cycle as required.
  - e. Ensure equipment is accounted for within EKMS as required.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

MMGT-2607 2.0 \* B L

---

Goal. Phase out equipment.

Requirement. Given a Phase out Plan (POP) and applicable references, demonstrate and validate phase out of obsolete equipment, to include at minimum:

1. Review the POP and applicable references.
2. State the purpose of:
  - a. Recoverable Items Report (WIR).
  - b. WIR Online Process Handler program (WOLPH).
  - c. Material Returns (MTR) program.
3. Validate obsolete equipment was disposed of properly by ensuring the following:
  - a. Ensure a final LTI was performed.
  - b. Ensure a final SL-3 was performed.
  - c. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
  - d. Ensure equipment was disposed of IAW instructions in Phase out plan.
  - e. Ensure the record jackets were completed and accompanied equipment.
  - f. Ensure the equipment and proper documentation was sent to Supply for turn-in.
  - g. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Supply Instructions (SI)
2. Equipment SL-3
3. Initial Issuing Provision Inventories
4. MCO 5311.1C
5. MCO P4400.82

---

MMGT-2608 16.0 \* B, R L

Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting functional areas.

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

---

MMGT-2609 2.0 \* B L

Goal. State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

1. Pull TO&E via the Total Force Structure Management System (TFSMS).
2. Validate the requirement for change.
3. Complete TOECR form, NAVMC 11355.
4. Identify compensation for T/O changes when possible.
5. Provide an explanation/reason for change request on the change request form in plain English.
6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1\_
2. Unit TO&E

MMGT-2610 2.0 \* B L

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Goal. Identify the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

1. State the purpose of the MCUNP.
2. State the purpose of the urgent Universal Needs Statement (UNS).
3. State the purpose of the deliberate UNS.
4. Complete an Urgent UNS form.
5. Complete a deliberate UNS form.

Performance Standard. With the aid of reference, complete the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17\_

MMGT-2611 40.0 \* B L

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Goal. Conduct a Consolidated Memorandum Receipt (CMR) Review.

Requirement. Given the references and a maintenance section's CMR, ensure equipment accountability and requirements by performing the following:

1. State the purpose of a CMR.
2. Review TE.
3. Conduct a CMR inventory.
  - a. Ensure SL-3 accountability for assumption and relief.
  - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
  - c. Ensure equipment have record jackets.
  - d. Maintain equipment receipt/transfer documents.
  - e. Identify discrepancies, if any.
4. Write and submit a Request for Investigation IAW MCO 4400.150.

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. CMR
3. MMO SOP

MMGT-2612 1.5 \* B L

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Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
  - a. Item on-hand availability status.
  - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P4790.2\_

MMGT-2613 13.0 \* B L

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Goal. Identify the functions of maintenance management.

Requirement. With the aid of reference, perform the following:

1. Identify the references associated with the MIMMS.
2. Identify the objectives of MIMMS.
3. Identify equipment maintenance management procedures.
4. Identify the responsibilities of maintenance management personnel.
5. Identify the information contained in the Table of Organization and Equipment (T/O&E).
6. Identify the steps to submit a T/O&E change request.
7. Identify the purpose of supply reports used in Maintenance Management.
8. Identify the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Identify the purpose of maintenance support programs.
10. Identify that describes Repairable Issue Point (RIP) procedures.
11. Identify the RIP customer re-computation procedures.
12. Identify the steps in the Recoverable Item Report (WIR) procedures.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2602, 2603, 2609, 2611

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

2. MCO P4790.1\_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16\_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1\_
10. Unit TO&E\_
11. MCO P4400.150\_
12. CMR
13. MMO SOP
14. MCO 4400.151\_

MMGT-2614 1.0 \* B L

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Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1\_
2. MCO P4790.2\_
3. MCO P4400.16\_
4. Unit SOP
5. UM 4400-125 (draft)

#### 8.10.15 OPERATIONAL MANAGEMENT (OMGT) STAGE

8.10.15.1 Purpose. To provide the trainee basic skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 8.10.15.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2680 2.0 \* B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.
5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.



7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2682 4.0 1460 B, R, M L

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Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
  - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordnance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful

execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V)4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 \* B L

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Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

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OMGT-2684 3.0 \* B L

Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario, perform the following:

1. Determine supply needs with consideration of the following:
  - a. Location.
  - b. Equipment.
  - c. Daily operations.
  - d. Climate.
2. Identify SECREP requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2691

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

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OMGT-2685 1.0 \* B L

Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario, perform the following:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

---

OMGT-2686 8.0 1460 B, R, M L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

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OMGT-2687 8.0 \* B L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP
3. Applicable TM

---

OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

Requirement. Given a scenario and references, perform the following:

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 \* B L

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Goal. Identify spectrum management procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Record frequency requirements.
  - a. Identify submission timelines.
  - b. Identify data elements (-Freq, Location, Power, Dates).
2. Record Satellite Access requirements.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 \* B L

---

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

Performance Standard. With the aid of reference, submit a completed LSR to the instructor. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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OMGT-2691 2.0 \* B L

Goal. Submit a Bill of Material (BOM) request.

Requirement. Given a deployment scenario and references, perform the following:

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.
5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

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OMGT-2692 1.0 \* B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful

execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

OMGT-2693 2.0 \* B L

---

Goal. Identify communication service request procedures.

Requirement. Given the references and a scenario with operational requirements, perform the following:

1. Identify submission timelines.
2. Identify data elements.
  - a. Internet protocol addresses.
  - b. Location, user accounts.
  - c. Dates.
  - d. Phone lines.
  - e. C2 application support.
  - f. Data network services (NIPR/SIPR).
  - g. Firewall exemptions.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B

OMGT-2694 2.0 \* B, R L

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Goal. Draw a site diagram for the TAOC.



Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2
2. MCWP 3-25.4

#### 8.11 MISSION SKILL TRAINING (3000)

8.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Tactical Air Operations Center missions.

8.11.2 General.

8.11.2.1 Prerequisite.

8.11.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in Core Skill and Core Plus phases.

(2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.

(3) If crew members are required to assist in the conduct of an event, the crew shall be core capable in the role they will play, as applicable. Training will be executed as individual training with appropriate assistance at the crew level as needed and as dictated by the conditions listed for each event. Crew member assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual properly demonstrating the event performance standard.

(4) Academic Training. Academic training will be conducted prior to and concurrently with required events. An academic training event, once completed, can be credited as a prerequisite for follow-on training events.

(5) Refresher Training. Refresher training is required once a individual has been absent from a technician billet for 36 months or longer. Upon return, the individual will complete R-coded events in the Attain table; else the technician will maintain proficiency by completing the R-coded events in the Maintain table.

8.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
8.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
8.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
8.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
8.11.6	EQUIPMENT (EQUIP)
8.11.7	MAINTENANCE MANAGEMENT (MMGT)
8.11.8	OPERATIONAL MANAGEMENT (OMGT)
8.11.9	MARINE AIR CONTROL GROUP (MACG)

8.11.3 INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT) STAGE

8.11.3.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 8.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-801.

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
8. Printers.
8. Operational Procedures.

Performance Standard. Without the aid of reference, pass an exam with

80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

IAWFAT-3281 8.0 1095 B, R, M E L

Goal. Explain concepts included in A+ exam 220-802.

Requirement. Without the aid of references, explain:

1. Operating Systems.
2. Security.
3. Mobile Devices.
8. Troubleshooting.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.11.4 INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT) STAGE

8.11.4.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 8.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-008.

Requirement. Without the aid of references, explain:

1. Networking Concepts.
2. Network Installation and Configuration.
3. Network Media and Topologies.
8. Network Management.
8. Network Security.

Performance Standard. Without the aid of reference, pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

8.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

8.11.5.1 Purpose. To train the trainee on basic concepts of information systems/assurance to facilitate industry standard certification.

8.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 8.0 1095 B, R, M E L

Goal. Explain concepts included in Security + exam SY0-301.

Requirement. Without the aid of reference, explain:

1. Network Security.
2. Operational Security.
3. Threats and vulnerabilities.
8. Cryptography.
8. Access control and identity management.
6. Application, data and host security.

Performance Standard. Without the aid of reference, pass an exam with

80% accuracy.

Instructor. BI, SI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CompTIA Approved Quality Content (CAQC) program reference material

#### 8.11.6 EQUIPMENT (EQUIP) STAGE

8.11.6.1 Purpose. To instruct the trainee on MACCS unique electronic equipment.

#### 8.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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EQUIP-3465 6.0 \* B L

Goal. Perform maintenance within the MTAOM.

Requirement. Given the references, one MTAOM, appropriate tools, and proper TMDE, isolate and repair one fault for each of the listed equipment groups within the MTAOM:

1. System Level Equipment (SLE).
2. Data Processing Equipment (DPE).
3. Voice Communication Equipment (VCE).
4. Internal Radio Equipment (IRE).
5. Operator Interface Equipment (OIE).
6. Digital Communication Equipment (DCE).
9. Complete Maintenance Management transactions. .

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MTAOM
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)

---

EQUIP-3466 6.0 \* B L

Goal. Perform maintenance within the CTN.

Requirement. Given the references, one CTN, appropriate tools, and proper TMDE, isolate and repair one fault for each of the equipment groups listed below within the CTN:

1. Sensor Fusion Subsystem,.
2. Communications Subsystem,.
3. Power Subsystem.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CTN manual

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EQUIP-3467 6.0 1095 B,R,M MTAOM, CTN, TIU, Radar L

Goal. Perform maintenance within the TAOC system.

Requirement. Given the references, appropriate tools, TMDE, MTAOM, CTN, and one sensor interface (TIU) in a system, isolate and repair one fault for each of the items below:

1. MTAOM
2. CTN
3. JRE
4. TIU
5. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10200A-OI/1 ADCP Maintenance Manual
4. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

EQUIP-3468 2.0 \* B MTAOM, CTN, CAC2S L

Goal. Review system troubleshooting on the TDS equipment within the TAOC.

Requirement. Given the references, a core capable crew, appropriate tools, TMDE, and a command and control system; complete the follow for each systems below:

1. Monitor the operational checks of each system as required.
2. Identify and review symptoms of a fault within each system.
3. review the fault to the line replaceable unit within each system.

MTAOM

CTN

CAC2S

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
3. TM 10446B-OI SAAWF Operations and Maintenance Instructions
4. TM 10200A-OI/1 ADCP Maintenance Manual
5. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

EQUIP-3469 2.0 \* B MTAOM, CTN, CAC2S L

Goal. Verify system configuration of tactical data systems within the

TAOC.

Requirement. Given the references, an emplaced system, and a core capable crew, verify equipment configuration and direct operational assessment within the system to include the following:

1. Operations of the MTAOM .
2. Operation of the CAC2S.
3. Operations of the CTN.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
2. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

#### 8.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

8.11.8.1 Purpose. To train the trainee on the advanced skills necessary to perform as a member of a maintenance shop.

#### 8.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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MMGT-3660    2.0    \*    B    L

Goal. Ensure the corrective maintenance repair process is being conducted.

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.



6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2C
2. TM-4700-15/1\_
3. UM-4790.5
4. MCO P4400.16G
5. MCBUL 3000
6. Associated Equipment TM

MMGT-3661 2.0 1095 B,R,M L

Goal. Validate SECRET assets.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review and provide recommendations for organizational Critical Low Density SECRET (CLD) assets and required on-hand quantities:

1. Define the purpose of the SECRET management process.
2. Define the purpose of Critical Low Density SECRET exchange process.
3. Identify the key components of the SECRET exchange process.
4. Identify the key documentation within each component of the SECRET exchange process.
5. Identify the SECRET management re-computation process.
6. Identify Low Density SECRET assets.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 4790.2C w/ch.1-2
2. MCO P4400.150E W/ERRATUM CH 1-2
3. FEDLOG

MMGT-3662 2.0 \* B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150\_
2. MCO P7100.8\_

8.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

8.11.8.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

8.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B,R,M L

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Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

1. Verify mission requirements.
2. Determine mission essential equipment.
3. Provide input for the Equipment Density List.
4. Assign maintenance personnel to meet mission requirements.
5. Verify communications plan supports mission execution.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 \* B L

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Goal. Organize and assign crews for deployment.

Requirement. Given a scenario and references, perform the following:

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
  - Tactical licenses.
  - Active clearance.
  - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

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OMGT-3712 1.0 \* B L

Goal. Verify communications with external agencies.

Requirement. With the aid of reference and an operational system, verify communications with external agencies by performing the following:

1. Analyze guard chart.
2. Confirm radio assignment based on NET priority.
3. Verify radio checks are conducted IAW NET priority.
4. Pass control of operational NETs to operations crew.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. DASC CC, External agencies with radio assets to participate in training

Reference.

1. MCWP 3-25.5
2. ACEOI

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OMGT-3713 8.0 1095 B,R,M MTAOM or CAC2S L

Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.

7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

OMGT-3714 8.0 \* B L

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Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6\_
2. Applicable TMs/UMs

OMGT-3715 8.0 \* B L

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Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

1. Conduct proper system power down/teardown.
2. Layout and conduct an SL-3 inventory of the equipment.
3. Conduct Limited Technical Inspections on listed equipment.
4. Pack and secure equipment.
5. Create a packing list.
6. Placard/label the shelters for embark.

Performance Standard. With the aid of reference, complete the requirement items without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6 (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

#### 8.11.9 MARINE AIR CONTROL GROUP (MACG) STAGE

8.11.9.1 Purpose. To provide the trainee advanced skills to be able to deploy TAOC and EW/C equipment to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

#### 8.11.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MACG-3750 1.0 1095 B,R,M L

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Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCRP 5-12D
- 2.MCWP 3-25.4
- 3.Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3751 1.0 1095 B,R,M \_\_\_\_\_ L

Goal. Identify TAOC and EW/C communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3752 1.0 1095 B,R,M \_\_\_\_\_ L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3753 1.0 1095 B,R,M L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3754 1.0 1095 B,R,M L



Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3755 1.0 1095 B,R,M L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

1. Data systems.
2. Radio systems.
3. Data link systems.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 5-12D
2. MCWP 3-25.4
3. Approved Core METL applicable to the unit
4. MCBUL 3000

MACG-3756 2.0 1095 B, R, M L

Goal. Draw a Communications Diagram for the agencies within the MACG.

Requirement. Given the references and operational diagrams, draw a communications diagram depicting the information exchange requirements for the following agencies:

1. TACC.
2. TAOC.
3. DASC.
4. MATC.
5. UAS.
6. LAAD.

Performance Standard. Pass an exam. Draw a communications diagram without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 3750, 3751, 3752, 3753, 3754, 3755

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1.MCWP 3-2
- 2.MCWP 3-25.4

#### 8.12 CORE PLUS TRAINING (4000)

8.12.1 Purpose. **RESERVED FOR FUTURE USE**

8.12.2 General.

8.12.2.1 Prerequisiste.

8.12.2.2 Admin Notes.

8.12.2.3 Stages. The following stages are included in the Core Plus Skill Introduction Phase of training.

#### 8.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

8.13.1 Purpose. To provide technicians the additional skills necessary to instruct, evaluate and approve event completions. Upon completion of the required training, an individual may be approved for instructor designation by the commanding officer.

8.13.2 General.

8.13.2.1 Prerequisiste. None

8.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to the concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are different instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for the above listed instructors. The catalog is located at the MAWTS-1 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>.

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient.
SI	Core Skill, Mission Skill, and Core Plus events in which current and proficient.

8.13.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
8.13.3	INSTRUCTOR UNDER TRAINING (IUT)

8.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

8.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

8.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI

5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

8.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)  
(6000)

8.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

8.14.2 General.

8.14.2.1 Prerequisiste. None

8.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

8.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
8.14.3	QUALIFICATION (QUAL)
8.14.4	CERTIFICATIONS (CERT)
8.14.5	DESIGNATION (DESG)
8.14.6	SCHOOL CODES (SCHL)

8.14.3 QUALIFICATIONS (QUAL) STAGE

8.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

8.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6106 0.5 \* \_\_\_\_\_ L

Goal. Qualification as an Tactical Data Systems Basic Technician (TDSBT).

Requirement. Complete required Tactical Data Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6107 0.5 \* \_\_\_\_\_ L

Goal. Qualification as an Tactical Data Systems Advanced Technician (TDSAT).

Requirement. Complete required Tactical Data Systems Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

#### 8.14.4 CERTIFICATIONS (CERT) STAGE

8.14.4.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 8.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 8.0 \* B \_\_\_\_\_ L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

CERT-6201 8.0 \* B \_\_\_\_\_ L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-008. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

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CERT-6202    8.0    \*    B    L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570.\_

#### 8.14.5 DESIGNATIONS (DESG) STAGE

8.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

#### 8.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6308 1.0 \* L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6309 1.0 \* L

Goal. Designation as a Tactical Data Systems Maintenance Chief (TDSMC).

Requirement. Complete required Tactical Data Systems Maintenance Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI



Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

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DESG-6320 1.0 \* L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14\_

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DESG-6321 1.0 \* L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14

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DESG-6340 1.0 \* L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

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DESG-6341 1.0 \* L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6343 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6344 1.0 \* 

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L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6345 1.0 \* 

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L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6346 1.0 \* 

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L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 \* 

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L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

DESG-6348 1.0 \* 

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L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6352 1.0 \* \_\_\_\_\_ L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2\_

#### 8.14.6 SCHOOL CODES (SCHL) STAGE

8.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5979 in the skill progression of the Marine.

#### 8.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6013	System Administrator	Hurlburt Field, FL	F19L2U2
SCHL-6014	Network Administrator	Hurlburt Field, FL	F19L9W2
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6030	MATC Work Center Supervisors Course	NATTC, FL	N23KCM2
SCHL-6031	MATC Maintenance Managers Course	NATTC, FL	N23KCN2
SCHL-6073	Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351
SCHL 6079	JRE-GW Operators' Course	Titan L3	N/A

#### 8.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

8.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

#### 8.15.2 General

8.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

8.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

8.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
8.15.3	CONDITION (COND)

#### 8.15.3 CONDITION (COND) STAGE

8.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

#### 8.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
8. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

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Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
8. Identify equipment requirements
8. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
8. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.



1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-28.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
8. Coordinate site security, camouflage, dispersion, and trafficability
8. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
8. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-28.7, TAOC Handbook
3. Squadron SOP

#### 8.16 AVIATION CAREER PROGRESSION MODEL (8000).

8.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support

Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

8.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE

ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	<b>MAGTF</b>		1	3000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	3000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	3000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	3000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	3000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	3000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	3000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTF		4	3000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	3000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	3000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	3000 PHASE
ACPM	8085	JOINT TARGETING		4	3000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000 PHASE
TOTAL ACPM STAGE			40	145	

8.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5979											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-
Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152					-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173	-
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154	CMN	2154			-	-
Describe T/E shelters.	CMN	2155	*	CMN	2155					-	-
Emlace shelter.	CMN	2156	*	CMN	2156					2155	-
Cable shelter for power.	CMN	2157	*	CMN	2157					2156	-

Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151	-
Initiate a service request.	CMN	2159	*	CMN	2159	CMN	2159			-	-
Utilize an oscilloscope.	TMDE	2171	*	TMDE	2171	TMDE	2171			2172	-
Demonstrate the use of a signal generator.	TMDE	2172	*	TMDE	2172	TMDE	2172			-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173	TMDE	2173			-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175	TMDE	2175			-	-
Utilize a wattmeter.	TMDE	2177	*	TMDE	2177	TMDE	2177			-	-
Utilize an Optical Time Domain Reflectometer (OTDR).	TMDE	2178	*	TMDE	2178	TMDE	2178			-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	FAM	2211	*	FAM	2211					-	-
Describe the CAC2S.	FAM	2212	*	FAM	2212					-	-
Identify the Intelligence Operations Workstation (IOW).	FAM	2216	*	FAM	2216					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Describe C2 Applications.	FAM	2218	*	FAM	2218					-	-

Familiarization with LRR equipment.	FAM	2219	*	FAM	2219					-	-
Familiarization with MRR equipment.	FAM	2220	*	FAM	2220					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*	FAM	2221					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230	CD	2230			-	-
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-
Manage the Tool Control Program.	CD	2233	*	CD	2233					2230	-
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-
Perform Quality Control Procedures.	CD	2242	1460	CD	2242	CD	2242	CD	2242	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-

										8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-
Explain PC hardware.	IWFAT	2250	*	IWFAT	2250					-	-
Explain networking concepts.	IWFAT	2251	*	IWFAT	2251					-	-
Explain laptop features and characteristics.	IWFAT	2252	*	IWFAT	2252					-	-
Explain printer features and characteristics.	IWFAT	2253	*	IWFAT	2253					-	-
Explain operational procedures.	IWFAT	2254	*	IWFAT	2254					-	-
Explain operating systems.	IWFAT	2255	*	IWFAT	2255					-	-
Explain security.	IWFAT	2256	*	IWFAT	2256					-	-
Explain Mobile Devices.	IWFAT	2257	*	IWFAT	2257					-	-
Explain Troubleshooting.	IWFAT	2258	*	IWFAT	2258					-	-
Explain Networking Concepts.	IWFNT	2259	*	IWFNT	2259					-	-
Explain Network Installation and Configuration.	IWFNT	2260	*	IWFNT	2260					-	-
Explain Network Media and Topologies.	IWFNT	2261	*	IWFNT	2261					-	-
Explain Network Management.	IWFNT	2262	*	IWFNT	2262					-	-
Explain Network Security.	IWFNT	2263	*	IWFNT	2263					-	-
Explain Network Security.	IWFST	2264	*	IWFST	2264					-	-
Explain Operational Security.	IWFST	2265	*	IWFST	2265					-	-
Explain threats and vulnerabilities.	IWFST	2266	*	IWFST	2266					-	-
Explain cryptography.	IWFST	2267	*	IWFST	2267					-	-
Explain access control and identity management.	IWFST	2268	*	IWFST	2268					-	-
Explain application, data and host security.	IWFST	2269	*	IWFST	2269					-	-

Build a data base for the TAOM or MTAOM.	CONFIG	2300	*	CONFIG	2300	CONFIG	2300				-	-
Verify voice communications are operational.	CONFIG	2301	*	CONFIG	2301						-	-
Restore system software for MTAOM, CTN, and JRE.	CONFIG	2302	*	CONFIG	2302	CONFIG	2302				-	-
Perform data recovery management on a TDS system.	CONFIG	2303	*	CONFIG	2303	CONFIG	2303				-	-
Perform logfile management on a TDS system.	CONFIG	2304	*	CONFIG	2304	CONFIG	2304				-	-
Perform account management on a TDS system.	CONFIG	2305	*	CONFIG	2305	CONFIG	2305				-	-
Apply Software release updates for TDS system.	CONFIG	2306	*	CONFIG	2306	CONFIG	2306				-	-
Update firmware within TDS systems.	CONFIG	2307	*	CONFIG	2307	CONFIG	2307				-	-
Configure TDS network equipment.	CONFIG	2308	*	CONFIG	2308	CONFIG	2308				-	-
Configure TDS circuit cards.	CONFIG	2309	*	CONFIG	2309	CONFIG	2309				-	-
State the purpose of Interface Coordination.	DLC	2320	*	DLC	2320						-	-
Know the types and purpose of data filters.	DLC	2321	*	DLC	2321						-	-
State the characteristics of and terms associated with Link 11.	DLC	2322	*	DLC	2322						-	-
State the characteristics of and terms associated with Link 11B.	DLC	2323	*	DLC	2323						-	-
State the characteristics of Link 16.	DLC	2324	*	DLC	2324						-	-
State the characteristics of Joint Range Extension Application Protocol (JREAP).	DLC	2325	*	DLC	2325						-	-
Operate Link 11.	DLC	2326	730	DLC	2326	DLC	2326	DLC	2326		-	-
Operate Link 11B.	DLC	2327	730	DLC	2327	DLC	2327	DLC	2327		-	-
Operate Link 16.	DLC	2328	730	DLC	2328	DLC	2328	DLC	2328		-	-
Configure the Joint Range Extension-Gateway (JRE-GW).	DLC	2329	730	DLC	2329	DLC	2329	DLC	2329		-	-
Operate JREAP A.	DLC	2330	730	DLC	2330	DLC	2330	DLC	2330		-	-
Operate JREAP B.	DLC	2331	730	DLC	2331	DLC	2331	DLC	2331		-	-
Operate JREAP C.	DLC	2332	730	DLC	2332	DLC	2332	DLC	2332		-	-
Troubleshoot Link 11.	DLC	2333	*	DLC	2333						-	-
Troubleshoot Link 11B.	DLC	2334	*	DLC	2334						-	-

Troubleshoot Link 16.	DLC	2335	*	DLC	2335						-	-
Troubleshoot JREAP A.	DLC	2336	*	DLC	2336						-	-
Troubleshoot JREAP B.	DLC	2337	*	DLC	2337						-	-
Troubleshoot JREAP C.	DLC	2338	*	DLC	2338						-	-
Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2380	*	EQUIP	2380						-	-
Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2381	*	EQUIP	2381						-	-
Set-up the Mobile Tactical Air Operations Module (MTAOM).	EQUIP	2424	*	EQUIP	2424						-	-
Tear down the Mobile Tactical Air Operations Module (MTAOM).	EQUIP	2425	*	EQUIP	2425						-	-
Set-up the Composite Tracking Network (CTN).	EQUIP	2426	730	EQUIP	2426	EQUIP	2426	EQUIP	2426		-	-
Tear-down the Composite Tracking Network (CTN).	EQUIP	2427	730	EQUIP	2427	EQUIP	2427	EQUIP	2427		-	-
Ensure preparatory measures are taken for disposition of equipment.	MMGT	2600	*	MMGT	2600					2150		-
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151		-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602	MMGT	2602			2159		-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603						-	-
Define RA with regards to O&M funds.	MMGT	2604	*	MMGT	2604						-	-
Define PE with regards to O&M funds.	MMGT	2605	*	MMGT	2605						-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238		-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150		-
Inspect maintenance functional areas.	MMGT	2608	*	MMGT	2608	MMGT	2608			2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238		-



State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2609	*	MMGT	2609						-	-
Identify the Marine Corps Urgent Needs Process (MCUNP).	MMGT	2610	*	MMGT	2610						-	-
Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2611	*	MMGT	2611						-	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612					2150, 2159		-
Identify the functions of maintenance management.	MMGT	2613	*	MMGT	2613					2602, 2603, 2609, 2611		-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614					2159		-
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680						-	-
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681		-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682		-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683						-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684					2691		-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685					2687		-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686		-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687						-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688		-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689						-	-
Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690						-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691						-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692						-	-
Identify communication service request procedures.	OMGT	2693	*	OMGT	2693						-	-
Draw a site diagram for the TAOC.	OMGT	2694	*	OMGT	2694	OMGT	2694				-	-

MISSION SKILL (3000 Phase)

T&R EVENT INFORMATION	BASIC POI		REFLY	BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
	STAGE	CODE		STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IAWFAT	3280	1095	IAWFAT	3280	IAWFAT	3280	IAWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IAWFAT	3281	1095	IAWFAT	3281	IAWFAT	3281	IAWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IAWFNT	3282	1095	IAWFNT	3282	IAWFNT	3282	IAWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IAWFST	3283	1095	IAWFST	3283	IAWFST	3283	IAWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Perform maintenance within the MTAOM.	EQUIP	3465	*	EQUIP	3465					-	-
Perform maintenance within the CTN.	EQUIP	3466	*	EQUIP	3466					-	-
Perform maintenance within the TAOC system.	EQUIP	3467	*	EQUIP	3467	EQUIP	3467			-	-
Review system troubleshooting on the TDS equipment within the TAOC.	EQUIP	3468	*	EQUIP	3468					-	-
Verify system configuration of tactical data systems within the TAOC.	EQUIP	3469	*	EQUIP	3469					-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Assess maintenance funding requirements.	MMGT	3662	*	MMGT	3662					-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-
Verify communications with external agencies.	OMGT	3712	*	OMGT	3712					-	-
Deploy a communications system ISO operations.	OMGT	3713	1095	OMGT	3713	OMGT	3713	OMGT	3713	-	-
Deploy a maintenance capability.	OMGT	3714	*	OMGT	3714					-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
Identify TACC Communications information exchange requirements.	MACG	3750	1095	MACG	3750	MACG	3750	MACG	3750	-	-

Identify TAOC and EW/C communications information exchange requirements.	MACG	3751	1095	MACG	3751	MACG	3751	MACG	3751	-	-
Identify DASC communications information exchange requirements.	MACG	3752	1095	MACG	3752	MACG	3752	MACG	3752	-	-
Identify UAS Communications information exchange requirements.	MACG	3753	1095	MACG	3753	MACG	3753	MACG	3753	-	-
Identify LAAD Communications information exchange requirements.	MACG	3754	1095	MACG	3754	MACG	3754	MACG	3754	-	-
Identify MATC communications information exchange requirements.	MACG	3755	1095	MACG	3755	MACG	3755	MACG	3755	-	-
Draw a Communications Diagram for the agencies within the MACG.	MACG	3756	1095	MACG	3756	MACG	3756	MACG	3756	3750, 3751, 3752, 3753, 3754, 3755	-

8.18 T&R SYLLABUS MATRIX

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS)																			
AIRS	1110	Perform corrective maintenance on the Mobile Tactical Air Operations Module (MTAOM).	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1111	Perform operator/crew maintenance on the Composite Tracking Network (CTN).	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1112	Perform corrective maintenance on Tactical Cable Assemblies.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1113	Perform Mobile Tactical Air Operations Module (MTAOM) operations.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1114	Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1115	Perform basic Network Administration.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1116	Perform basic UNIX Administration.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1117	Perform corrective maintenance on the TAOM Interface Unit (TIU).	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1118	Configure the TAOM Interface Unit (TIU) for operations.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1119	Describe the Tactical Air Operations Center (TAOC) C2 Equipment.	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
AIRS	1121	Describe the Marine Air Control Squadron (MACS).	B	E	G	-	-	D	*	0	0	0.0	-	-	-	-	-	-	
TOTAL AIR SCHOOLS (AIRS) SKILL STAGE										11	0	0	0	0	0.0				
TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)										11	0	0	0	0	0.0				
MACCS MAINTENANCE COMMON (CMN)																			

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*	0	0	0	0	1.5	-	-	-		
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*	0	0	0	0	3.0	2173	-	-	-	
CMN	2154	Describe the characteristics of unit T/E generators.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2155	Describe T/E shelters.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
CMN	2156	Emplace shelter.	B	-	L	-	-	-	*	0	0	0	0	2.0	2155	-	-	-	
CMN	2157	Cable shelter for power.	B	-	L	-	-	-	*	0	0	0	0	2.0	2156	-	-	-	
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151	-	-	-	
CMN	2159	Initiate a service request.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE										0	0	0	0	10	4.0				
TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)																			
TMDE	2171	Utilize an oscilloscope.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2172	-	-	-	
TMDE	2172	Demonstrate the use of a signal generator.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
TMDE	2173	Utilize a Ground Tester.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
TMDE	2175	Utilize a multimeter.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TMDE	2177	Utilize a wattmeter.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TMDE	2178	Utilize an Optical Time Domain Reflectometer (OTDR).	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE										0	0	0	0	6	8.0				
COMMUNICATION SECURITY (COMSEC)																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-		
COMSEC	2191	State the physical security requirements for classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-		
COMSEC	2192	Create a classified area physical security diagram.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
COMSEC	2193	Conduct classified material inventory.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	1.0	2190	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191, 2192	-	-	-	
TOTAL COMMUNICATION SECURITY (COMSEC) STAGE										0	0	0	0	10	19.0				
FAMILIARIZATION (FAM)																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2211	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-	-	
FAM	2212	Describe the CAC2S.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2216	Identify the Intelligence Operations Workstation (IOW).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2218	Describe C2 Applications.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	TOTAL FAMILIARIZATION (FAM) STAGE																		
COLLATERAL DUTY (CD)																			
CD	2230	State the maintenance Collateral Duties (CD).	B, R	-	L	-	-	-	*	0	0	0	0	10	15.0	-	-	-	-
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	-
CD	2232	Identify the Maintenance Modifications Program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2233	Manage the Tool Control Program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	-
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*	0	0	0	0	3.0	2230	-	-	-	-
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CD	2242	Perform Quality Control Procedures.	B, R, M	-	L	-	-	-	1460					2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*					2.0	2230	-	-	-	
<b>TOTAL COLLATERAL DUTY (CD) STAGE</b>										0	0	0	0	11	0.0				
<b>INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)</b>																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	



TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE										0	0	0	0	9	36.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	5	20.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST)																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	6	24.0				
CONFIGURATION (CONFIG)																			
CONFIG	2300	Build a data base for the TAOM or MTAOM.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
CONFIG	2301	Verify voice communications are operational.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
CONFIG	2302	Restore system software for MTAOM, CTN, and JRE.	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
CONFIG	2303	Perform data recovery management on a TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
CONFIG	2304	Perform logfile management on a TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CONFIG	2305	Perform account management on a TDS system.	B, R	-	L	-	-	-	*		0		0		4.0	-	-	-	
CONFIG	2306	Apply Software release updates for TDS system.	B, R	-	L	-	-	-	*		0		0		4.0	-	-	-	
CONFIG	2307	Update firmware within TDS systems.	B, R	-	L	-	-	-	*		0		0		6.0	-	-	-	
CONFIG	2308	Configure TDS network equipment.	B, R	-	L	-	-	-	*		0		0		8.0	-	-	-	
CONFIG	2309	Configure TDS circuit cards.	B, R	-	L	-	-	-	*		0		0		8.0	-	-	-	
<b>TOTAL CONFIGURATION (CONFIG) STAGE</b>										0	0.0	0	0.0	10	48.0				
<b>DATA LINK COORDINATOR (DLC)</b>																			
DLC	2320	State the purpose of Interface Coordination.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2321	Know the types and purpose of data filters.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2322	State the characteristics of and terms associated with Link 11.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2323	State the characteristics of and terms associated with Link 11B.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2324	State the characteristics of Link 16.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2325	State the characteristics of Joint Range Extension Application Protocol (JREAP).	B	-	L	-	-	-	*		0		0		1.0	-	-	-	
DLC	2326	Operate Link 11.	B, R, M	-	L	-	-	-	730		0		0		2.0	-	-	-	
DLC	2327	Operate Link 11B.	B, R, M	-	L	-	-	-	730		0		0		2.0	-	-	-	
DLC	2328	Operate Link 16.	B, R, M	-	L	-	-	-	730		0		0		2.0	-	-	-	
DLC	2329	Configure the Joint Range Extension-Gateway (JRE-GW).	B, R, M	-	L	-	-	-	730		0		0		2.0	-	-	-	
DLC	2330	Operate JREAP A.	B, R, M	-	L	-	-	-	730		0		0		2.0	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	2331	Operate JREAP B.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-		
DLC	2332	Operate JREAP C.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-		
DLC	2333	Troubleshoot Link 11.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2334	Troubleshoot Link 11B.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2335	Troubleshoot Link 16.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2336	Troubleshoot JREAP A.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2337	Troubleshoot JREAP B.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2338	Troubleshoot JREAP C.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	19	38.0				
EQUIPMENT (EQUIP)																			
EQUIP	2380	Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-		
EQUIP	2381	Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-		
EQUIP	2424	Set-up the Mobile Tactical Air Operations Module (MTAOM).	B	-	L	-	-	-	*	0	0	0	0	6.0	-	-	-		
EQUIP	2425	Tear down the Mobile Tactical Air Operations Module (MTAOM).	B	-	L	-	-	-	*	0	0	0	0	6.0	-	-	-		
EQUIP	2426	Set-up the Composite Tracking Network (CTN).	B, R, M	-	L	-	-	-	730	0	0	0	0	6.0	-	-	-		
EQUIP	2427	Tear-down the Composite Tracking Network (CTN).	B, R, M	-	L	-	-	-	730	0	0	0	0	6.0	-	-	-		
TOTAL EQUIPMENT (EQUIP) STAGE										0	0.0	0	0.0	6	32.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2600	Ensure preparatory measures are taken for disposition of equipment.	B	-	L	-	-	-	*	0	0	0	0	3.0	2150	-	-	-	
MMGT	2601	Create a Preventive Maintenance Checks and	B	-	L	-	-	-	*	0	0	0	0	1.0	2151	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
										#	TIME	#	TIME	#	TIME					
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME					
		Services (PMCS) schedule.																		
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B, R	-	L	-	-	-	*		0		0		4.0	2159	-	-	-	
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2604	Define RA with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2605	Define PE with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*		0		0		2.0	2150, 2159, 2231, 2238	-	-	-	
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*		0		0		2.0	2150	-	-	-	
MMGT	2608	Inspect maintenance functional areas.	B, R	-	L	-	-	-	*		0		0		16.0	2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238	-	-	-	
MMGT	2609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2610	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2611	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*		0		0		40.0	-	-	-		
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*		0		0		1.5	2150, 2159	-	-	-	
MMGT	2613	Identify the functions of maintenance management.	B	-	L	-	-	-	*		0		0		13.0	2602, 2603, 2609, 2611	-	-	-	
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*		0		0		1.0	2159	-	-	-	
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	15	93.5					
OPERATIONAL MANAGEMENT (OMGT)																				
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
OMGT	2681	Determine required equipment to support a mission.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
OMGT	2682	Conduct communications portion of a site survey.	B, R, M	-	L	-	-	-	1460	0	0	0	0	4.0	-	-	-	-	
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*	0	0	0	0	3.0	2691	-	-	-	
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*	0	0	0	0	1.0	2687	-	-	-	
OMGT	2686	Write a packing list.	B, R, M	-	L	-	-	-	1460	0	0	0	0	8.0	-	-	-	-	
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
OMGT	2688	Identify power requirements.	B, R, M	-	L	-	-	-	365	0	0	0	0	4.0	-	-	-	-	
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2693	Identify communication service request procedures.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2694	Draw a site diagram for the TAOC.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	15	43.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0.0	0	0.0	92	241.0				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2250, 2251, 2252, 2253, 2254	-	-	-	
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2255, 2256, 2257, 2258	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0				

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE</b>										0	0	0	0	1	4.0				
<b>INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
<b>TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE</b>										0	0	0	0	1	4.0				
<b>EQUIPMENT (EQUIP)</b>																			
EQUIP	3465	Perform maintenance within the MTAOM.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
EQUIP	3466	Perform maintenance within the CTN.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
EQUIP	3467	Perform maintenance within the TAOC system.	B,R,M	-	L	-	-	-	1095		0		0		6.0	-	-	-	-
EQUIP	3468	Review system troubleshooting on the TDS equipment within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	3469	Verify system configuration of tactical data systems within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
<b>TOTAL EQUIPMENT (EQUIP) STAGE</b>										0	0	0	0	5	22.0				
<b>MAINTENANCE MANAGEMENT (MMGT)</b>																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
MMGT	3662	Assess maintenance funding requirements.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
<b>TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE</b>										0	0	0	0	3	6.0				
<b>OPERATIONAL MANAGEMENT (OMGT)</b>																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3712	Verify communications with external agencies.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
OMGT	3713	Deploy a communications system ISO operations.	B,R,M	-	L	-	-	-	1095		0		0		8.0	-	-	-	-
OMGT	3714	Deploy a maintenance capability.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	6	28.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	3750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3752	Identify DASC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3755	Identify MATC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3756	Draw a Communications Diagram for the agencies within the MACG.	B, R, M	-	L	-	-	-	1095		0		0		2.0	3750, 3751, 3752, 3753, 3754, 3755	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	7	8.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	25	80.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	0	0.0				
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0	0.0	117	321.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1.0	Recommended by SI or WTI	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			
QUAL	6106	Qualification as an Tactical Data Systems Basic Technician (TDSBT).	B	-	L	-	-	-	*		0		0		0.5	2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-



TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6107	Qualification as an Tactical Data Systems Advanced Technician (TDSAT).	B	-	L	-	-	-	*	0		0		0.5		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	2	1.0				
CERTIFICATION (CERT)																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	-	*	0		0		4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-	
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	-	*	0		0		4	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-	
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	-	*	0		0		4	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-	
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0				
DESIGNATIONS (DESG)																			

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6308	Designation as a Tactical Data Systems Crew Chief (TDSCC).	B	-	L	-	-	-	*	0	0	1.0		2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-		

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6309	Designation as a Tactical Data Systems Maintenance Chief (TDSMC).	B	-	L	-	-	-	*	0	0	1.0				2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	-	*	0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	-	*	0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	-	*	0		0		1.0	2230, 2235, 2236	-	-	-	
DESG	6341	Designation as a	B	-	L	-	-	-	*	0		0		1.0	2230, 2235, 2236	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV/	
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME					
		Maintenance HAZMAT NCO.																		
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2234	-	-	-	
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2233	-	-	-	
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2231	-	-	-	
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2232, 2234	-	-	-	
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2237	-	-	-	
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	-	*		0		0		1.0	2159, 2230, 2602	-	-	-	
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	-	*		0		0		1.0	2230	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6352	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	14.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL DESIGNATIONS (DESG) STAGE										0	0	0	0	14	14.0				
SCHOOL CODES (SCHL)																			
SCHL	6013	Systems Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6014	Network Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6024	Multi TDL Planner Course	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV/
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		(JT-201)																	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6026	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6030	MATC Work Center Supervisors Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6031	MATC Maintenance Managers Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6073	Micro miniature Electronic Repair	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										13	0	0	0	0	0.0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										13	0.0	0	0.0	19	27.0				

8.19 ADDITIONAL MATRICES. None

8.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

8.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

8.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None



CHAPTER 9

AIR COMMAND AND CONTROL OFFICER MOS 7202  
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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THIS CHAPTER RESERVED FOR FUTURE USE

CHAPTER 10

TACTICAL AIR DEFENSE CONTROL OFFICER (MOS 7210)/INDIVIDUAL TRAINING AND READINESS  
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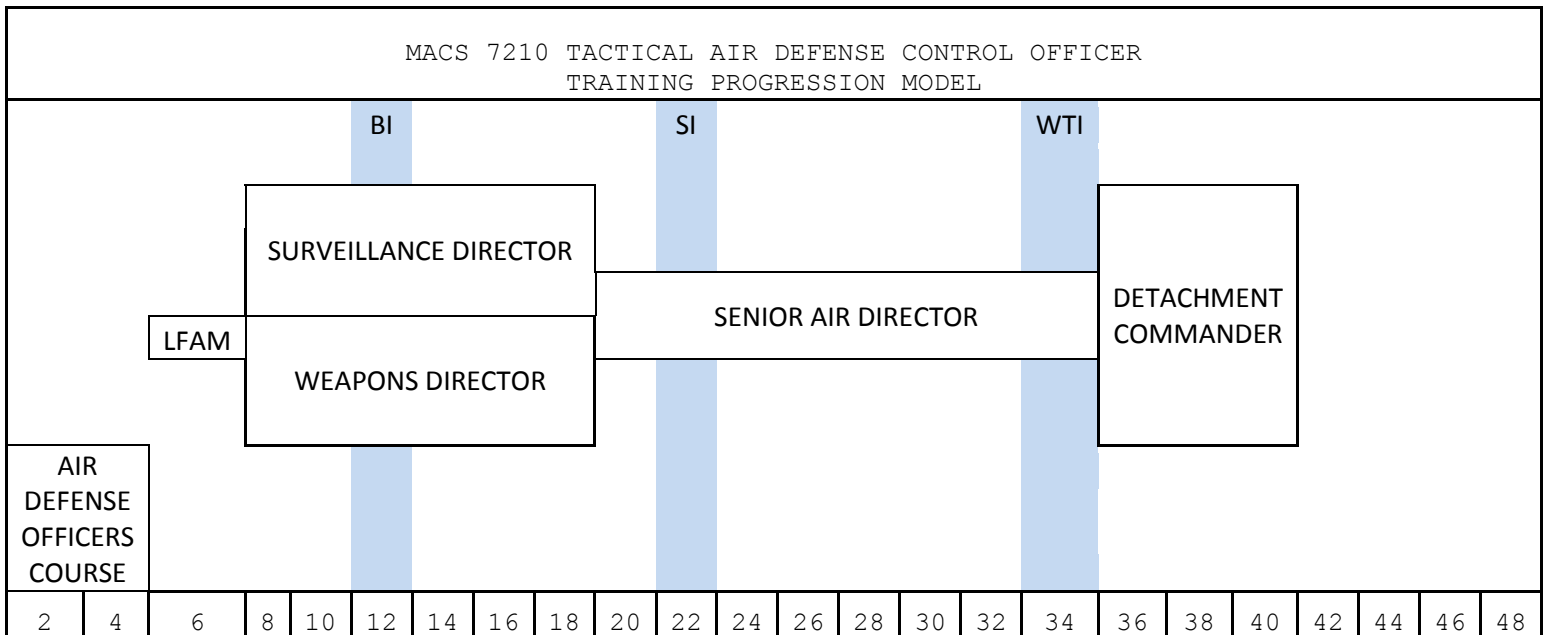
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CHAPTER 10

AIR DEFENSE OFFICER (MOS 7210)/INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

10.0 TACTICAL AIR DEFENSE CONTROL OFFICER/7210 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

10.1 7210 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Air Defense Officer crewmember. Units should use the model as a point of departure to generate individual training plans.



10.2 ABBREVIATIONS

TAOC MOS 7210	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
<b>CORE SKILL (2000 Phase)</b>	
ACAD	ACADEMICS
LFAM	LOCAL FAMILIARIZATION
SD	SURVEILLANCE DIRECTOR
AFAM	AIR CONTROL FAMILIARIZATION
WD	WEAPONS DIRECTOR
SAD	SENIOR AIR DIRECTOR
DETCO	DETACHMENT COMMANDER
C2SYS	COMMAND AND CONTROL SYSTEMS
<b>MISSION SKILL (3000 Phase)</b>	
ACAD	ACADEMICS
SD	SURVEILLANCE DIRECTOR
WD	WEAPONS DIRECTOR
SAD	SENIOR AIR DIRECTOR
DETCO	DETACHMENT COMMANDER
<b>CORE PLUS SKILL (4000 Phase)</b>	
ACAD	ACADEMICS

TAOC MOS 7210	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
SAD	SENIOR AIR DIRECTOR
DETCO	DETACHMENT COMMANDER
C2SYS	COMMAND AND CONTROL SYSTEMS
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
SD	SURVEILLANCE DIRECTOR
WD	WEAPONS DIRECTOR
SAD	SENIOR AIR DIRECTOR
DETCO	DETACHMENT COMMANDER
MISSION ESSENTIAL TASK (MET) (7000 Phase)	
COND	CONDITION

### 10.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core Model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event(s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP.
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP.
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

### 10.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

10.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

10.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

10.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

10.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

10.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MOS 7210					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
ACAD	2000				
ACAD	2002				
ACAD	2004				
ACAD	2006				
ACAD	2008				
ACAD	2010				
ACAD	2012				
ACAD	2014				
ACAD	2016				
ACAD	2018				
ACAD	2020				
ACAD	2022				
ACAD	2024				
ACAD	2026				
ACAD	2028				
ACAD	2030				
ACAD	2034				
ACAD	2036				
ACAD	2038				
ACAD 1	2050				
ACAD 1	2052				
ACAD 1	2054				
ACAD 1	2056				
ACAD 1	2058				
ACAD 1	2060				
ACAD 1	2062				
ACAD 1	2064				
ACAD 1	2066				

TAOC MOS 7210					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD 2	2100				
ACAD 2	2102				
ACAD 2	2104				
ACAD 2	2106				
ACAD 2	2108				
ACAD 2	2110				
ACAD 2	2112				
ACAD 2	2116				
ACAD 2	2118				
ACAD 2	2120				
ACAD 2	2122				
ACAD 2	2124				
ACAD 2	2126				
ACAD 2	2128				
ACAD 2	2130				
ACAD 2	2132				
ACAD 2	2134				
ACAD 2	2136				
LFAM	2150R	LFAM	2150R	LFAM	2150R
SD	2300R	SD	2300R		
SD	2302R	SD	2302R	SD	2302R
SD	2304				
SD	2306R	SD	2306R		
SD	S2308				
SD	S2310				
AFAM	S2500				
AFAM	S2502R	AFAM	S2502R		
AFAM	S2504R	AFAM	S2504R		
AFAM	S2564				
AFAM	S2566				
WD	S2600R	WD	S2600R		
WD	2602R	WD	2602R		
WD	2604				
WD	2606				
SAD	2700R	SAD	2700R		
SAD	2702R	SAD	2702R		
SAD	S2704				
SAD	S2706				
SAD	S2708				
DETCO	2800				
C2SYS	2910				
C2SYS	2940				
C2SYS	2941				
C2SYS	2943				
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	3000	ACAD	3000	ACAD	3000
SD	3300	SD	3300	SD	3300
SD	3302	SD	3302	SD	3302
WD	3600	WD	3600	WD	3600
WD	3602	WD	3602		
WD	3604				
WD	3606				
WD	3608	WD	3608		
WD	3610	WD	3610	WD	3610
SAD	3700				
SAD	3702				
SAD	3704	SAD	3704	SAD	3704



TAOC MOS 7210					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
DETCO	3800				
DETCO	3802	DETCO	3802	DETCO	3802
DETCO	3804				
DETCO	3806				
CORE PLUS SKILL (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	4000				
SAD	4700				
SAD	4702				
DETCO	4800				
C2SYS	4921				
C2SYS	4942				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

10.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

10.5.1 INSTRUCTOR DESIGNATIONS

TAOC MOS 7210	
INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5110, 5120, 5130
WEAPONS AND TACTICS INSTRUCTOR (WTI)	6000

10.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MOS 7210	
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Certified in Local Area Fam (CERT 6175)	2150
Qualify as Surveillance Director (SD) (QUAL 6275)	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3000, 3300, 3302, 6175, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044
Qualify as Weapons Director (WD) (QUAL 6276)	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067
Qualify as a Senior Air Director (SAD) (QUAL 6277)	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2704, 2706, 2708, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 3700, 3702, 3704, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

TAOC MOS 7210 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Designation as a Detachment Commander (DETCO) (DESG 6330)	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2704, 2706, 2708, 2800, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 3700, 3702, 3704, 3800, 3802, 3804, 3806, 6175, 6275, 6276, 6277, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

10.6 7210 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

10.6.1 Basic POI

TAOC MOS 7210 BASIC POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-12	CORE SKILL INTRODUCTION TRAINING	MCCES
13-104	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON

10.6.2 Refresher POI

TAOC MOS 7210 REFRESHER POI		
WEEKS <sup>1</sup>	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATION VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

10.7 SYLLABUS NOTES

10.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

10.7.2 Device Matrix

DEVICE
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Symbol	Meaning
<b>L</b>	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
<b>L/S</b>	Event performed live preferred/simulator optional.
<b>S/L</b>	Event performed in simulator preferred/live optional.
<b>G</b>	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
<b>CBT</b>	Computer Based Training
<b>LAB</b>	Laboratory
<b>LEC</b>	Lecture
<b>CP</b>	Command Post
<b>TEN</b>	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
<b>TEN+</b>	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

### 10.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	<b>B</b>	Initial MOS Training
Refresher	<b>R</b>	Return to community from non (MOS/Skill) associated tour
Maintain	<b>M</b>	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

### 10.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

## 10.8 ACADEMIC PHASE (0000)

### 10.8.1 Purpose. **RESERVED FOR FUTURE USE**

### 10.8.2 General

#### 10.8.2.1 Admin Notes.

#### 10.8.2.2 Prerequisites.

10.8.2.3 Stages.

10.9 CORE SKILL INTRODUCTION PHASE (1000)

10.9 CORE SKILL INTRODUCTION TRAINING (1000)

10.9.1 Purpose. To provide entry-level instruction to develop the basic skills necessary for an officer to work in the TAOC and EW/C. This training includes TAOC operations within the Marine Air Command and Control System (MACCS) and employment of Command and Control (C2) systems. Emphasis is placed on duties as a Surveillance Director (SD) and Weapons Director (WD). Upon graduation from the Air Defense Control Officer Course (ADCOC), the Marine is designated MOS 7210.

10.9.2 General

10.9.2.1 Admin Notes. Air Defense Control Officer's Course (ADCOC - CID M0972M1) located at Marine Corps Communication-Electronics School (MCCES) in 29 Palms, CA.

10.9.2.2 Prerequisite. Meet the requirements delineated in the MCO 1200.17 (MOS Manual).

10.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase.

PAR NO.	STAGE NAME
10.9.3	AIR SCHOOL (AIRS)

10.9.3 AIR SCHOOL (AIRS)

10.3.1 Purpose. To teach the Marine in the required skills to perform as a basic Air Defense Control Officer, MOS 7210.

10.9.3.2 General.

Admin Notes. All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed for an event.

Prerequisites. None.

AIRS-1000                    \*            B    E    G

Goal. Explain the fundamentals of Aviation Command and Control (Air C2) employment

Requirement. Given a scenario-based Tactical Decision Game (TDG), required documents, and references perform the following:

1. Discuss planning considerations for Marine Air Command and Control System (MACCS) establishment and employment in support of the MAGTF mission.
2. Discuss how the Marine Corps implements its aviation command and control philosophy via the MACCS.
3. Discuss the role of each MACCS agency and how each supports the six functions of Marine aviation.

4. Discuss MACCS communication planning requirements.
5. Discuss the major end items provided by each MACCS agency.
6. Present a MACCS employment plan.

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee. The presented plan must support the scenario.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25, Control of Aircraft and Missiles
2. MCWP 3-25.3, MACCS Handbook
3. MCWP 3-22, Anti-Air Warfare
4. MCWP 3-23, Offensive Air Support
5. MCWP 3-24, Assault Support
6. MCWP 3-25.4, TACC Handbook
7. MCWP 3-25.5, DASC Handbook
8. MCWP 3-25.7, TAOC Handbook
9. MCWP 3-25.8, MATCD Handbook
10. MCWP 3-25.10, LAAD Handbook
11. MCWP 3-26, Air Reconnaissance
12. MCWP 3-40.5, Electronic Warfare
13. MCWP 3-42.1, Unmanned Aerial Vehicle Operations

AIRS-1200                    \*            B    E    G

Goal. Identify characteristics of the Marine Air Command and Control System (MACCS)

Requirement. Identify the following:

1. Identify the six functions of Marine Aviation.
2. Identify characteristics of organizations in the Marine Air Wing (MAW).
3. Identify characteristics of units in the Marine Air Control Group (MACG).
4. Identify characteristics of agencies in the Marine Air Command and Control System (MACCS).
5. Identify characteristics of U.S. ground-based air defense platforms.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2, Aviation Operations
2. MCWP 3-22, Antiair Warfare
3. MCWP 3-25, Control of Aircraft and Missiles
4. MCWP 3-25.10, Low Altitude Air Defense Handbook
5. MCWP 3-25.3, Marine Air Command and Control System Handbook
6. MCWP 3-25.4, Tactical Air Command Center Handbook
7. MCWP 3-25.5, Direct Air Support Center Handbook
8. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
9. MCWP 3-25.8, Marine Air Traffic Control Detachment Handbook

AIRS-1202                   \*           B                                   E                                   G

Goal. Identify characteristics of the Marine Air Control Squadron (MACS)

Requirement. Identify the following:

1. Identify characteristics of the Marine Air Control Squadron (MACS).
2. Identify characteristics of the TAOC cellular framework.
3. Identify characteristics of agencies in the Theater Air Ground System (TAGS).
4. Identify characteristics of Integrated Air Defense Systems (IADS).
5. Identify characteristics of U.S. ground-based air defense platforms.
6. Identify characteristics of threat air defense systems.
7. Identify characteristics of the Aviation T&R program in the TAOC.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control
2. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
3. MCWP 3-2, Aviation Operations
4. MCWP 3-22, Antiair Warfare
5. MCWP 3-25, Control of Aircraft and Missiles
6. MCWP 3-25.3, Marine Air Command and Control System Handbook
7. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
8. TM 08565A-CD-1, TAOM System Manual
9. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1204                   \*           B                                   E                                   G

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Goal. Identify characteristics of Aircraft

Requirement. Identify the following:

1. Identify characteristics of U.S. Aircraft
2. Identify characteristics of U.S. aviation ordnance.
3. Identify characteristics of threat aircraft.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
2. TOPGUN MANUAL, Volumes I and II

AIRS-1206                   \*           B                                   E                                   C2 System           G

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Goal. Configure Tactical Air Operations Center (TAOC) platforms for operations

Requirement. Given required TAOC equipment and materials, complete the following:

1. Identify the proper procedures for handling classified material.
2. Identify characteristics of TAOC equipment.
3. Initialize a workstation.
4. Set TAOC operational parameters from source documents.
5. Enter map/overlay information from source documents.
6. Enter RADAR information.
7. Operate recording equipment.
8. Conduct planning for TAOC employment

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FM 21-26, Map Reading and Land Navigation
2. MCRP 5-12A, Operational Terms and Symbols
3. TM 08565A-CD-1, TAOM System Manual
4. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1208                   \*           B   E           C2 System    G

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Goal. Operate TAOC voice communications equipment

Requirement. Given an operational C2 System and required materials, complete the following:

1. Operate internal communications using source documents (ACEOI).
2. Setup a workstation for radio communications with a distant station.
3. Communicate via voice with a distant station.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08565A-CD-1, TAOM System Manual
2. U-TAOC-PCL-03862, Pocket Checklist
3. MCRP 3-40.3C, Antenna Handbook

AIRS-1210                   \*           B   E           C4I Systems G

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Goal. Operate Command, Control, Communications, Computer and Intelligence (C4I) systems

Requirement. Given required C4I systems, operate the following:

1. Generate TBMCS information through web remote.
2. Operate Chat.
3. Operate Falconview.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.



Reference.

1. CCS-TRTBM-A017-AATSU, Theater Battle Management Core System, Vol I
2. CCS-TRTBM-A017-COP-1, Theater Battle Management Core System, Vol II

AIRS-1212                   \*           B   E           C2 System    G

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Goal. Perform surveillance functions

Requirement. Given an operational C2 System, complete the following:

1. Identify characteristics of the TAOC Surveillance section.
2. Identify TAOC RADAR capabilities.
3. Identify characteristics of documents required for surveillance functions.
4. Identify key elements of the ATO/SPINS for TAOC operations.
5. Identify characteristics of airspace.
6. Identify doctrinal nets used by the Surveillance section.
7. Setup a work station for surveillance operations.
8. Classify track data using source documents.
9. Maintain accurate symbology.
10. Perform manual cross-tell.
11. Complete surveillance reports.
12. Identify characteristics of sensor and data registration.
13. Plan a multi-TDL architecture plan (7210 only).
14. Perform Electronic Warfare (EW) functions (7210 only).
15. Conduct mission planning for surveillance operations (7210 only).
16. Conduct a surveillance brief (7210 only).

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, Joint Doctrine for Airspace Control
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, Multiservice Air-Air, Air-Surface, Surface-Air, Brevity Codes
7. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control
8. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
9. MCWP 3-2, Aviation Operations
10. MCWP 3-22, Antiair Warfare
11. MCWP 3-25, Control of Aircraft and Missiles

12. MCWP 3-25.10, Low Altitude Air Defense Handbook
13. MCWP 3-25.3, Marine Air Command and Control System Handbook
14. MCWP 3-25.4, Tactical Air Command Center Handbook
15. MCWP 3-25.5, Direct Air Support Center Handbook
16. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
17. TM 08565A-CD-1, TAOM System Manual
18. TOPGUN MANUAL, Volumes I and II
19. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1214 \* B E C2 System G

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Goal. Operate Link 11

Requirement. Given a C2 System and required materials, complete the following:

1. Extract Link 11 information from source documents.
2. Identify characteristics of Link 11.
3. Configure Link 11 hardware for operations.
4. Setup a workstation for Link 11 operations.
5. Exchange Link 11 messages.
6. Send/receive digital orders.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist
4. Understanding Link 11 Guidebook

AIRS-1216 \* B E MTAOM G

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Goal. Operate Link 16

Requirement. Given a MTAOM and required materials, complete the following:

1. Extract Link 16 information from the reference documents.
2. Identify characteristics of Link 16.
3. Setup a work station for Link 16 operations.
4. Configure Link 16 hardware.
5. Exchange Link 16 messages.
6. Send/receive text messages.
7. Operate JTIDS Voice.
8. Send/receive digital orders.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1218 \* B E JRE Gateway G

Goal. Operate a Beyond Line of Site (BLOS) gateway

Requirement. Given a TAOM and required materials, complete the following:

1. Extract JREAP information from the reference documents.
2. Identify characteristics of JREAP.
3. Configure a BLOS gateway for JREAP.
4. Operate JREAP-A.
5. Operate JREAP-B.
6. Operate JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1220 \* B E C2 System G

Goal. Establish a workstation for Traffic functions

Requirement. Given a C2 System and required materials, complete the following:

1. Identify characteristics of the Weapons Section.
2. Setup a workstation for traffic operations.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, Joint Doctrine for Airspace Control
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, Multiservice Air-Air, Air-Surface, Surface-Air, Brevity Codes
7. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control
8. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
9. MCWP 3-2, Aviation Operations
10. MCWP 3-22, Antiair Warfare
11. MCWP 3-25, Control of Aircraft and Missiles
12. MCWP 3-25.10, Low Altitude Air Defense Handbook
13. MCWP 3-25.3, Marine Air Command and Control System Handbook
14. MCWP 3-25.4, Tactical Air Command Center Handbook
15. MCWP 3-25.5, Direct Air Support Center Handbook
16. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
17. TM 08565A-CD-1, TAOM System Manual
18. TOPGUN MANUAL, Volumes I and II
19. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1222                      \*                      B    E                      C2 System                      G

Goal. Perform Airspace Management functions

Requirement. Given a C2 system and required materials, complete the following:

1. Setup a workstation for traffic operations.
2. Perform TATC procedures.
3. Perform emergency procedures.
4. Perform traffic deconfliction.
5. Communicate required information to aircrews.
6. Communicate required information to higher/adjacent agencies.
7. Control aerial refueling operations.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, Joint Doctrine for Airspace Control in a Combat Zone
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, Multi-Service Air-Air, Air-Surface, Surface-Air, Brevity Codes
7. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control
8. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
9. MCWP 3-2, Aviation Operations
10. MCWP 3-22, Antiair Warfare
11. MCWP 3-25, Control of Aircraft and Missiles
12. MCWP 3-25.10, Low Altitude Air Defense Handbook
13. MCWP 3-25.3, Marine Air Command and Control System Handbook
14. MCWP 3-25.4, Tactical Air Command Center Handbook
15. MCWP 3-25.5, Direct Air Support Center Handbook
16. MCWP 3-25.7, Tactical Air Operations Center Handbook
17. TM 08565A-CD-1, TAOM System Manual
18. TOPGUN MANUAL, Volumes I and II
19. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1224                      \*                      B    E                      C2 System                      G

Goal. Perform Deep Air Operations Management functions

Requirement. Given a C2 system and required materials, complete the following:

1. Develop DAS aircraft handover procedures.
2. Identify available DAS aircraft assets.
3. Coordinate with Deep Battle Cell for updated targets and Battle Damage Assessment (BDA).

Performance Standard. Pass an exam.

Instructor. FLC instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
2. MCWP 3-25.5, Direct Air Support Center (DASC) Handbook
3. MCRP 3-16.8\_, J-FIRE

AIRS-1226                   \*            B   C2 System    G

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Goal. Perform Air Defense Weapons Control Management functions

Requirement. Given a C2 system and required materials, complete the following:

1. Identify characteristics of the TAOC weapons section.
2. Identify characteristics of AAW missions.
3. Identify characteristics of U.S. ground and surface based air defense platforms.
4. Perform intercept control with a simulated section of fighter aircraft.
5. Perform missile control with simulated ground and surface based missile system assets.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, Joint Doctrine for Airspace Control in a Combat Zone
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, Multi Service Air-Air, Air-Surface, Surface-Air, Brevity Codes
7. MCRP 3-25E Multiservice Procedures for Joint Integrated Air Defense System
8. MCWP 3-2 Aviation Operations
9. MCWP 3-22 Anti-air Warfare
10. MCWP 3-25 Control of Aircraft and Missiles
11. MCWP 3-25.10 Low Altitude Air Defense Handbook
12. MCWP 3-25.3 Marine Air Command and Control System Handbook
13. MCWP 3-25.4 Tactical Air Command Center Handbook
14. MCWP 3-25.5 Direct Air Support Center Handbook
15. MCWP 3-25.7 Tactical Air Operations Center (TAOC) Handbook
16. TM 08565A-CD-1 TAOM System Manual
17. TOPGUN MANUAL, Volumes I and II
18. U-TAOC-PCL-03862 Pocket Checklist

10.10 CORE SKILL TRAINING (2000)

10.10.1 Purpose. To train the 7210 in basic equipment capabilities and familiarize the 7210 with surveillance, weapons and command section employment as prerequisite training for SD, WD and SAD qualifications. Focus of this phase is to train the 7210 to execute methods, exercise practical application of skill sets, and plan/manage MACS operational capabilities. While assigned to a Marine Air Control Squadron (MACS), under the direct supervision of a designated instructor, the 7210 moves from an introductory understanding of core skills to core skill proficiency.

10.10.2 General

10.10.2.1 Admin Notes. None

10.10.2.2 Prerequisite. Complete Core Skill Introduction phase of training.

10.10.2.3 Stages. The following stages are included in the Core Skill Phase of training:

PAR NO.	STAGE NAME
10.10.3	ACADEMIC (ACAD)
10.10.4	ACADEMICS 1 (ACAD1)
10.10.5	ACADEMICS 2 (ACAD2)
10.10.6	LOCAL AIRSPACE FAMILIARIZATION (LFAM)
10.10.7	SURVEILLANCE DIRECTOR (SD)
10.10.8	AIR INTERCEPT FAMILIARIZATION (AFAM)
10.10.9	WEAPONS DIRECTOR (WD)
10.10.10	SENIOR AIR DIRECTOR (SAD)
10.10.11	DETACHMENT COMMANDER (DETCO)
10.10.12	COMMAND AND CONTROL SYSTEMS (C2SYS)

10.10.3 ACADEMICS (ACAD)

10.10.3.1 Purpose. To provide the 7210 standardized academic knowledge to perform assigned duties. Academic events are one-time events unless otherwise stated.

10.10.3.2 General

Admin Notes

(1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events listed in this phase, all trainees will complete ACPM-8000, 8020, 8060 and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.

(2) All events/exams will be taken without the aid of reference and a minimum score of 80% unless specifically changed in an event.

Prerequisites. None.

Crew Requirements. None.

ACAD-2000 2.0 \* B E G

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Goal. Define combat identification

Requirement. Given the references:

1. Define the purpose and criteria for Positive Control
2. Define the purpose and criteria for an Air Defense Identification Zone (ADIZ)
3. Explain how the following are used to identify aircraft:
  - a. Control points
  - b. Airspace Control Area
  - c. Ingress/Egress routes/Minimum Risk Routes
  - d. Identify Friend or Foe (IFF) (Modes 1-5)
  - e. Air Tasking Order (ATO)
4. Explain the relationship between I.D. Criteria and ROE.
5. State the OPORDER appendix that contains ROE and Identification Criteria.
6. Explain the purpose and usage of the authentication table (AKAC 1553).
7. Define the 6 standard track identifications, in accordance with the Joint Multi-TDL Operating Procedures (JMTOP).
8. List the five track environment categories, in accordance with the JMTOP.
9. List and Describe the electronic identification capabilities of the following platforms.
  - a. E-3 AWACS
  - b. E-2C Hawkeye
  - c. AEGIS equipped ships

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-22, Anti-Air Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
4. JP 3-52, Joint Airspace Control
5. MCRP 3-25E, Multi-Service Tactics, Techniques, and Procedures for an Integrated Air Defense Systems (IADS)

ACAD-2002 1.0 \* B E G

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Goal. State the purpose of Interface Coordination



Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
  - a. Data registration
  - b. Sensor registration
  - c. Correlation
  - d. Common track
  - e. Dual designation
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JMTOP, what is the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO)
11. State who on the interface may originate a CDO.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2004    2.0    \*    B    E    G

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Goal. Define terms associated with Link 11

Requirement. Given the reference:

1. Define the following Link 11 station modes of operation:
  - a. Net Control Station (NCS)
  - b. Picket
  - c. Radio Silence
2. Define the following Link 11 net modes of operation:
  - a. Roll Call
  - b. Broadcast (Long)
  - c. Short Broadcast
  - d. Net Sync
  - e. Net Test
3. State the purpose of the following Link 11 waveforms:

- a. Conventional Link 11 Waveform (CLEW)
  - b. Single Tone Link 11 Waveform (SLEW)
4. Describe the characteristics of the following Link 11 data encryption modes:
- a. A1
  - b. A2
  - c. B
  - d. Plain Text
5. Define Data Link Reference Point, and state typical usage criteria and limitations.
6. Describe Link 11 Gridlock.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL-STD-6011\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
- MIL-STD-6011\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

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ACAD-2006    2.0    \*    B    E    G

Goal. Define terms associated with Link 16

Requirement. Given references, define:

1. Active Synchronization
2. Backlink
3. Command and Control JTIDS/MIDS Unit (C2 JU)
4. Conditional Radio Silence Mode
5. Contention Access Mode
6. Dedicated Access Mode
7. Donor
8. Dynamic Network Management
9. Extension Word
10. Geodetic Position Quality
11. Header Message
12. Host System
13. Initial Entry
14. Initial Entry JTIDS/MIDS Unit (IEJU)
15. Machine Receipt
16. Multifunctional Information Distribution System (MIDS)
17. Minimum Implementation
18. Mode 1, 2, and 4 Communications
19. Net Number
20. Network Participation Group

21. Network Time Reference
22. Non-Command and Control JTIDS/MIDS Unit (NonC2 JU)
23. Pool
24. Passive Synchronization
25. Recurrence Rate
26. Reed-Solomon Code
27. Relative Position Quality
28. Relay Block
29. Round-Trip Timing (RTT)
30. Stacked Net
31. Synchronization
32. Time (System & Terminal)
33. Time Quality (QT)
34. Time Slot
35. Time Slot Reallocation Access Mode

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2008 2.0 \* B E G

Goal. State the characteristics of Tactical Data Links

Requirement. Given references, state the characteristics of:

1. Link 11
2. Link 16

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual

ACAD-2010 2.0 \* B E G

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Goal. Define terms associated with Joint Range Extension Application Protocol (JREAP)

Requirement. Given references, define:

1. Common Time Reference
2. Demand Access Multiple Access (DAMA)
3. Joint Range Extension (JRE)
4. JRE Network Controller
5. JRE Source Track Number
6. Link 16 Zone
7. Multicast
8. Packet
9. Port
10. Secondary Track Number
11. Token Passing
12. Transmission Sequence List
13. Unicast

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-3011\_, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

ACAD-2012 2.0 \* B E G

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Goal. State the background characteristics of JREAP

Requirement. Given references, state the characteristics of:

1. JREAP A (Half duplex announced Token Passing Protocol)
2. JREAP B (Full Duplex Synchronous or Asynchronous Point-to-Point Connection)
3. JREAP C (Encapsulation over IP)

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2014 1.0 \* B E G

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Goal. Know the types and purpose of data filters

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
  - a. Link 11 Transmit
  - b. Link 11B Transmit
  - c. Link 16 Transmit
  - d. Data forwarding for data forwarded from Link 11 to Link 11B
  - e. Data forwarding filter for data forwarded from Link 11B to Link 11
  - f. Transmit filter for all data links in a multi-link interface
  - g. Data forwarding filter for data forwarded from Link 16 to Link 11
  - h. Data forwarding filter for data forwarded from Link 16 to Link 11B
  - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B
  - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
  - a. Geographic (Geo) filters
  - b. Fixed or slaved filters
  - c. Identification filters
  - d. Environment filters
  - e. Reference point filters
  - f. EW filters
  - g. Special Processing Indicator (SPI) filters
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual

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ACAD-2016 1.0 \* B E G

Goal. Explain the troubleshooting theory

Requirement. Without the aid of references:

1. Identify the problem
2. Establish a theory of probable cause (question the obvious)
3. Test the theory to determine cause
4. Establish a plan of action to resolve the problem and implement the solution
5. Verify full system functionality and if applicable implement preventive measures
6. Document findings, actions and outcomes

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08565A-CD-1 TAOM System Manual
2. TM 10566D-OI, Communication Interface System CAC2S(V)4

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ACAD-2018 1.0 \* B E G

Goal. Define the characteristics of Cooperative Engagement Capability (CEC)

Requirement. Given the references:

1. State the purpose of CEC.
2. State the characteristics of the CEC network.
3. Identify the Navy platforms capable of participating in the CEC network.
4. State the Marine Corps equipment required to interface with CEC.

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TACMEMO 3-01.3-12 CEC Tactical Employment Guide, Feb 2012
2. USN Capabilities and Limitations website  
<http://cnl.phdnswc.navy.smil.mil/>
3. Navy CEC Fact Sheet
4. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2020 1.5 \* B E CAC2S G

Goal. Identify the characteristics, capabilities and limitations of the Communications Subsystem (CS)

Requirement. Identify or explain the following:

1. Identify the nomenclature and number of radios
2. Identify the number of radio nets and frequency spectrum breakdown
3. Identify antennas
4. Explain the power requirements
5. Explain the remote capability

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Comm Section

Reference.

1. TM 10566C-OI/1, Communication Interface System CAC2S (V) 3
2. TM 10566D-OI, Communication Interface System CAC2S (V) 4
3. Harris Quick Reference Pocket Guide for the AN/PRC-116
4. Harris Quick Reference Pocket Guide for the AN/PRC-150
5. MCTSSA's Marine Corps Tactical Data Systems Reference Guide

ACAD-2022 1.0 \* B E TE Radio Assets G

Goal. Identify TAOC communication capabilities

Requirement. Given the reference, identify the following:

1. Define the frequency range of the following:
  - a. High Frequency
  - b. Very High Frequency
  - c. Ultra High Frequency
2. Identify the ground and sky wave range of the following:
  - a. High Frequency
  - b. Very High Frequency
  - c. Ultra High Frequency

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3C, Antenna Handbook

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ACAD-2024 1.0 \* B E G

Goal. Define TAOC radio terms

Requirement. Given the reference, define the following:

1. Amplitude modulation (AM)
2. Antenna gain
3. Bidirectional
4. Broadband antenna
5. Diffraction
6. Dipole antenna
7. Directional antenna
8. Ducting
9. Frequency hopping
10. Frequency modulation (FM)
11. Gain
12. Ground wave
13. Omnidirectional antenna
14. Polarization
15. Reflection
16. Refraction
17. Sky wave
18. Take-off angle

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.



Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3C, Antenna Handbook

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ACAD-2026 0.5 \* B E G

Goal. Identify the purpose of the positions that make up the Air Defense Command Structure

Requirement. Given the references, explain the responsibilities of the following:

1. Joint Forces Commander (JFC).
2. Joint Forces Air Component Commander (JFACC).
3. Area Air Defense Commander (AADC).
4. Deputy Area Air Defense Commander (DAADC)
5. Regional Air Defense Commander (RADC).
6. Sector Air Defense Commander (SADC).

Performance Standard. Pass an exam.

Instructor. BI qualified WD, SAD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-0 Joint Operations
2. JP 3-1 Countering Air and Missile Threats
3. JP 3-30 Command and Control for Joint Air Operations

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ACAD-2028 2.0 \* B E G

Goal. State the purpose and intent of Rules of Engagement (ROE)

Requirement. Given the reference:

1. Define:
  - a. Law of War
  - b. Rules of Engagement (ROE)
  - c. Supplemental Measures
  - d. Hostile Act
  - e. Hostile Intent
2. State the purpose of the Law of War

3. State the intent of Standing Rules of Engagement (SROE)

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSI 3121.01 Standing ROE for US Forces
2. DoD Inst 2311.01, DOD Law of War Program
3. MCO 3300.4, Marine Corps Law of War Program
4. Joint Pub 1-02, DOD Dictionary of Military and Associated Terms

ACAD-2030 1.0 \* B E G

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Goal. Define Joint Theater Missile Defense

Requirement. Given the reference:

1. State the purpose of TMD.
2. State and describe the four operational elements of JTMD.
3. State the three phases of flight for Ballistic Missiles.
4. Identify the major TMD systems in each service and what phase of flight the system is employed.

Performance Standard. Pass an exam.

Instructor. BI qualified SD, BI qualified WD, SAD

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. 7210 Instructor

Reference.

1. Joint Pub 3-01 Counter Air and Missile Threats
2. Missile Defense Agency website  
<http://www.mda.mil/system/elements.html>

ACAD-2034 1.0 \* B E G

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Goal. Describe aviation operational documents

Requirement. Given the reference:

1. Describe the phases of the ATO generation cycle:
  - a. Phase I - Command Aviation Guidance
  - b. Phase II - Target/Air Support Mission Development
  - c. Phase III - Air Allocation and Allotment
  - d. Phase IV - Tasking
  - e. Phase V - Force Execution
  - f. Phase VI - Combat Assessment
2. State the information contained within the ATO/SPINS.
3. Explain the use of the Airspace Control Order (ACO).
4. State the information found in the OPTASKLINK

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2, Aviation Operations
2. MCWP 3-25, Control of Aircraft and Missiles
3. MIL-STD-6040, USMTF

ACAD-2036 1.0 \* B E G

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Goal. Define characteristics of Aviation Ordnance

Requirement. Given the reference:

1. State the type of terminal guidance, fuzing, and weight for the following types of aviation ordnance:
  - a. GP bombs, to include the following:
  - b. Mk-82
  - c. Mk-83
  - d. Mk-84
  - e. Paveway II/III Laser-Guided Bombs, to include the following:
  - f. GBU-12
  - g. GBU-16
  - h. GBU-10
  - i. GBU-24
  - j. JDAM, to include the following:
  - k. GBU-38
  - l. GBU-31
  - m. GBU-54
  - n. Standoff weapons, to include the following:
  - o. AGM-154 JSOW
  - p. AGM-88 HARM / AARGM
  - q. AGM-84 H / K SLAM-ER
2. Identify the preferred weapons pairing for the following targets:
  - a. Armored vehicles
  - b. Treeline or covered

- c. Building
- d. Personnel: Individual/small group
- 3. State the definition of inertial aided munitions.

Performance Standard. Pass an exam.

Instructor. BI qualified DAC, BI qualified WD, SAD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ALSA JFIRE dated November 2012
2. TOPGUN MANUAL

ACAD-2038 2.0 \* B E G

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Goal. Define the characteristics of the Phased Array Tracking Intercept of Target (Patriot) system and how it integrates into an IADS

Requirement. Given the references:

1. State the mission of Army Air and Missile Defense (AMD).
2. Outline the structure of a PATRIOT Battalion
  - a. Number of firing batteries within a battalion
  - b. Number of launchers within a battery
  - c. Number and types of missiles per launcher
3. List the characteristics of the PAC-3, PAC-2, and GEM-T as they relate to the following (SECRET when filled in):
  - a. Maximum effective range
  - b. Maximum effective speed
  - c. Launch trajectory
  - d. Max effective altitude for ABT, TBM, and CM
  - e. Target to weapon match for ABT, TBM, and CM
  - f. Missile guidance system
4. List the characteristics of the AN/MPQ-65 PATRIOT RADAR System (SECRET when filled in):
  - a. Modes of operation
  - b. Surveillance and targeting RADAR ranges
  - c. Maximum number of simultaneous target tracking
5. List and define the Detect-to-Engage Sequence
6. Identify the data link capabilities of the ADA Battalion
7. State the purpose and employment considerations for the PATRIOT ADAFCO as member of the TAOC Crew

Performance Standard. Pass an exam.

Instructor. BI qualified WD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FM 3-01.13 PATRIOT TOPGUN MANUAL
2. MCRP 3-25E MTTP For IADS
3. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual

#### 10.10.4 ACADEMICS 1 (ACAD1)

10.10.4.1 Purpose. To provide the 7210 standardized academic knowledge to perform assigned Weapons Director duties. Academic events are one-time events unless otherwise stated.

#### 10.10.4.2 General

Admin Notes

- (1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events listed in this phase, all trainees will also complete ACPM-8004 (TAOC) and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.
- (2) All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None

Crew Requirements. None

ACAD1-2050 1.0 \* B E G

Goal. State the characteristics of Navy and USMC Aircraft

Requirement. Given the references, state the capabilities and limitations of the following aircraft:

1. F/A-18 A-D Hornet
2. F/A-18E-F Super Hornet
3. EA-18G Growler
4. EA-6B Prowler

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NTTP 3-22.1 FA18
2. NTTP 2-22.1 EA6B

ACAD1-2052 1.5 \* B E G

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Goal. State the employment considerations for Navy and USMC Aircraft

Requirement. Given the references, state the employment considerations of the following aircraft during AAW/OAAW, Strike, OAS, CSAR, and Tanking missions:

1. F/A-18 A-D Hornet
2. F/A-18E-F Super Hornet
3. EA-18G Growler
4. EA-6B Prowler

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NTTP 3-22.1 FA18
2. NTTP 2-22.1 EA6B

ACAD1-2054 1.5 \* B E G

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Goal. Describe the capabilities of US Air-to-Air Weapons

Requirement. Given the reference describe basic guidance theory, expected shot ranges, maneuver capabilities, and required RADAR support for each of the following weapons:

1. AIM-9M Sidewinder
2. AIM-9X Sidewinder
3. AIM-120 AMRAAM

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Chapter 26, AIM-9/Aerial Gunnery
2. TOPGUN MANUAL, Chapter 28, AIM-120
3. TOPGUN MANUAL, Chapter 30, FA-18 Combat Systems

ACAD1-2056 2.0 \* B E G

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Goal. Describe Air Defense terminology

Requirement. Given the references, define the following:

1. Offensive Counter Air
2. Defensive Counter Air
3. Air Superiority
4. Air Supremacy
5. Defense in-depth
6. Vital Area
7. Identification
8. Engagement Area
9. Surveillance Area
10. Missile Engagement Zone
11. Fighter Engagement Zone
12. Joint Engagement Zone
13. Positive Identification
14. Positive Friendly Identification
15. Positive Hostile Identification
16. Minimum Risk Routing

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-0 Doctrine for Joint Operations
2. JP 3-1 Joint Doctrine for Countering Air and Missile Threats
3. JP 3-56.1 Command and Control for Joint Air Operations
4. NTTP 3-01.01 Fleet Air Defense
5. MCWP 3-22 Anti-Air Warfare

ACAD1-2058 4.0 \* B E G

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Goal. Define the following words and concepts

Requirement. Given the references, define the following terms:

1. Call Signs
  - a. Informative
  - b. Directive
  - c. Interrogative
2. Anchor Points
  - a. Bullseye
  - b. Geographical Reference Point
  - c. Fighters Position
3. Types of Control
  - a. Broadcast Control
  - b. Tactical Control
4. AIC Core Communication Format
  - a. Callsign
  - b. Number of Groups
  - c. Anchor Point & Location
  - d. Altitude
  - e. Fill-ins
5. Five Phases of an Air-to-Air Intercept
  - a. Pre-commit
    - (1) Communications Priority
  - b. Post-Commit
    - (1) Communications Priority
  - c. Weapons Employment
    - (1) Communications Priority
  - d. Merge
    - (1) Communications Priority
    - (2) Five times you can talk in the merge
  - e. Post-Merge
    - (1) Communications Priority
6. Aspect
  - a. General
  - b. Specific
7. Declaration Modifiers
  - a. Spades
  - b. Squawking
  - c. Paint(s)
  - d. Echo
  - e. Outlaw
  - f. Rider
8. Declarations
  - a. Hostile
  - b. Bandit
  - c. Bogey

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.



Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2060 4.0 \* B E G

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Goal. Identify formations

Requirement. Given the references, illustrate the following tactical labels and define the corresponding group names:

1. Single Group
2. Azimuth
3. Range
4. Vic
5. Champagne
6. Ladder
7. Wall
8. Box

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2062 4.0 \* B E G

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Goal. Identify fighter maneuvers

Requirement. Given the references, explain the following terms:

1. Fill-ins
  - a. Opening
  - b. Closing
  - c. Echelon
  - d. Weighted
  - e. Stack
  - f. Heavy
  - g. High

- h. Very Fast
- 2. Aspect with reference to the fighters' nose
  - a. Hot
  - b. Flank
  - c. Beam
  - d. Drag
  - e. Cold
- 3. Maneuver
  - a. Maneuver Range
  - b. Maneuver Azimuth
  - c. Crossing
  - d. Passing
  - e. Change in Aspect
  - f. Maneuver in Altitude

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. MCRP 3-25B Multi Service Brevity Codes
- 2. NTTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
- 3. TOPGUN MANUAL, Chapter 1, Communications Brevity
- 4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2064 2.0 \* B E G

Goal. Define communication calls

Requirement. Given the references, define and specify when to use the following:

- 1. Auto Separation Call
- 2. Threat Call
- 3. Nails
- 4. Music
- 5. Strobe
- 6. Clean
- 7. Faded
- 8. Vanished
- 9. Strength communications

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2066 2.0 \* B E G

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Goal. Define Air Intercept Control Communication Terms

Requirement. Given the references define the following terms:

1. Abort
2. Anchored
3. As fragged
4. Bonzai
5. Bingo
6. Bittersweet
7. Cheap shot
8. Father
9. Group
10. Hits
11. India
12. Jackal
13. Joker
14. Judy
15. Kill
16. Meld
17. Mickey
18. Midnight
19. Naked
20. Notch(ing)
21. Parrot
22. Pitbull
23. Pined
24. Print
25. Pump
26. Pushing
27. Skate
28. Short Skate
29. Snap lock
30. Spiked
31. Splash(ed)
32. Standby
33. Status
34. Sunrise
35. Tally
36. Target
37. Terminate
38. Threat

- 39. Timber
- 40. Trespass
- 41. Winchester

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

- 1. MCRP 3-25B Multi Service Brevity Codes
- 2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
- 3. TOPGUN MANUAL, Chapter 1, Communications Brevity
- 4. TOPGUN MANUAL, Chapter 47, Air Control Communications

#### 10.10.5 ACADEMICS 2 (ACAD2)

10.10.5.1 Purpose. To provide the 7210 standardized academic knowledge to perform Weapons Director duties. Academic events are one-time events unless otherwise stated.

#### 10.10.5.2 General

Admin Notes

- (1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events listed in this phase, all trainees will also complete ACPM-8004 (TAOC) and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.
- (2) All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None

Crew Requirements. None

ACAD2-2100 1.0 \* B E G

Goal. State the capabilities and limitations of U.S. Air Force Aircraft

Requirement. Given the references, provide capabilities and limitations of the following aircraft with regard to AAW/OAAW, OAS, CSAR, and tanking:

- 1. F-15 A-D Eagle
- 2. F-15 E Strike Eagle
- 3. F-16 A-CJ Fighting Falcon
- 4. F-22 Raptor

5. F-35 Lightning II
6. KC-10 Extender
7. KC-135 E/R Stratotanker

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Attachment 3

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ACAD2-2102 1.5 \* B E G

Goal. State the employment considerations for U.S. Air Force Aircraft

Requirement. Given the references, provide the mission, weapons, ID capabilities, and general employment considerations of the following aircraft with regard to AAW/OAAW, OAS, CSAR, and tanking:

1. F-15 A-D Eagle
2. F-15 E Strike Eagle
3. F-16A-CJ Fighting Falcon
4. F-22 Raptor
5. KC-10 Extender
6. KC-135 E/R Stratotanker

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Attachment 3

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ACAD2-2104 3.0 \* B E G

Goal. State the capabilities and limitations of Threat Aircraft

Requirement. Given the references, provide missions, proliferation (threat nations of interest), weapons, and threat category for aircraft

listed in Reference (b).

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1.2 Threat Reference guide and Counter tactics
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft

ACAD2-2106 1.0 \* B E G

Goal. Define Threat Missile Terms

Requirement. Given the references, define the following terms:

1. F-Pole
2. A-Pole
3. Stern WEZ
4. 'nc'
5. 'tc'
6. 'mc'

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2108 1.0 \* B E G

Goal. State the capabilities and limitations of threat missiles

Requirement. Given the references, provide capabilities and limitations of air-to-air and air-to-ground missiles listed in references (3) and (5).

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2110 1.0 \* B E G

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Goal. State employment considerations for threat missiles

Requirement. Given the references, provide threat employment considerations of air-to-air and air-to-ground missiles listed in references (3) and (5) to include guidance type, category, proliferation (Nation of Interest), and Rule of Thumb (ROT) missile for each category.

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2112 1.0 \* B E G

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Goal. Define categories of threat missiles

Requirement. Given the references, define the categories for air-to-air and air-to-ground missiles listed in references (3) and (5).

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2116 1.0 \* B E G

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Goal. Define fighter support concepts and their purpose

Requirement. Given the references, discuss the following terms and phrases and state when each should be utilized in an air-to-air intercept:

1. Offset (20, 40, and 45 degree)
2. Crank
3. Shot Range
4. Last Shot Range
5. Minimum Defense Range (MDR)
6. Minimum Abort Range (MAR)
7. Meld Range
8. Threat Range

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8



4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2118 0.5 \* B E G

Goal. State the two types of fighter support concepts and their purpose

Requirement. Given the references, discuss the following types of fighter support concepts and their purpose:

1. Visual Mutual Support
2. Fluid Mutual Support

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2120 1.0 \* B E G

Goal. State the mission planning factors associated with defensive tactics

Requirement. Given the references, define the following terms and concepts and state how they are constructed:

1. Flow Range, Offensive and Defensive
2. Shot Depth Range
3. NLT Pump Range
4. Factor Range
5. Minimum Out Range (MOR)
6. Minimum Re-attack Range (MRAR)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2122 2.0 \* B E G

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Goal. State timelines an FA-18 Hornet can be expected to employ

Requirement. Given the references, construct each timeline that FA-18 Hornet & Super Hornet Aircrew can be expected to employ with the following considerations:

1. NLT Commit
2. NLT Pump
3. Meld
4. Shot Range
5. Last Shot Range
6. Minimum Defense Range (MDR)
7. Minimum Out Range (MOR)
8. Minimum Re-attack Range (MRAR)
9. Minimum Abort Range (MAR)
10. Shot Window
11. Desired Our Range (DOR)
12. Desired Re-attack Range (DRAR)
13. Desired Abort Range (DAR)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2124 1.0 \* B E G

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Goal. State the intercept geometries

Requirement. Given the references, discuss the following geometries and how each are tactically used:

1. Single Side Offset

2. Bracket

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
2. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2126 1.0 \* B E G

Goal. State how targeting contracts differ based on Acceptable Levels of Risk (ALR)

Requirement. Given the references, discuss the following N/GTD mindsets and ALR, and how they affect fighter employment, as well as the N/GTD section simultaneous targeting contracts, and give an example of when they are applied:

1. Immediate Forward Flow Required (ALR High)
2. Flow Desired (ALR Medium/Low)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
2. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2128 2.0 \* B E G

Goal. State standard N/GTD targeting for a section of fighters

Requirement. Given the reference:

1. State the standard section N/GTD targeting against the following presentations where flow is desired:

- a. Single Group
  - b. Single Group Stack
  - c. Range  $\geq$  OFR
  - d. Range  $\leq$  OFR
  - e. Range  $\leq$  SDR
  - f. Non-Flowable Azimuth 10nm
  - g. Narrow Azimuth  $\leq$  10nm
  - h. Flowable Azimuth
2. State the standard section N/GTD targeting against the following presentations where flow is required:
- a. Single Group
  - b. Single Group Stack
  - c. Range  $\geq$  DFR
  - d. Range  $\leq$  DFR
  - e. Azimuth

Performance Standard. With the aid of reference, complete each requirement. All targeting examples must address who targets who, what geometry will be used, and the flow decision.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42, N/GTD Targeting Lab

ACAD2-2130 1.0 \* B E G

Goal. State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics

Requirement. Given the reference, brief how an FA-18 conducts a VID with the following tactics:

1. DTD/FT
2. N/GTD

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42, N/GTD Targeting Lab

ACAD2-2132 1.0 \* B E G

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Goal. State the delouse options available to Strike Fighter Aircrew

Requirement. Given the reference, brief the delouse options available to Strike Fighter Aircrew. For each option discuss the following: Type of threat each should be used against, tactics the option may be used with, and lastly the geometry and employment considerations.

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2134 2.0 \* B E G

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Goal. Describe when AIC actions will be taken with associated AIC terms

Requirement. Given the reference, provide the following:

1. Range that AIC can use the group name "Threat Group"
2. Range that AIC can use the group name "Additional Group"
3. Range that AIC can use the group name "Pop-Up Group"
4. Range that AIC will provide tactical range call when facing the following threats:
  - a. SAR-1
  - b. SAR-2/AR-1
5. Callsigns that an AIC can use when providing "Tactical Range" call
6. Tactics used and requirements that must be meet for an AIC to provide a leaning-on assessment

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air Control Communications, Chapter 47

ACAD2-2136 1.0 \* B E G

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Goal. State the significance of the maneuvers

Requirement. Given the reference, state the significance of the following maneuvers:

1. Maneuver range
2. Maneuver azimuth

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air Control Communications, Chapter 47

#### 10.10.6 LOCAL AREA FAMILIARIZATION (LFAM)

10.10.6.1 Purpose. To familiarize the 7210 with local restricted airspace.

#### 10.10.6.2 General

Admin Notes. The LFAM stage is required prior to executing any other Core Skill events. It must be conducted every time the 7210 is assigned to new airspace or required to be refreshed per their training record.

Prerequisites. None.

Crew Requirements. None.

LFAM-2150 5.0 365 B, M L

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Goal. Brief local restricted areas

Requirement. Given source documents and a local map:

1. Identify local restricted areas on a map.
2. Identify characteristics of each local restricted area.
3. Identify agencies responsible for each local restricted area.

4. Identify communication requirements for each local air control agency.

Performance Standard. Brief the instructor on local restricted areas IAW requirements. Minor errors corrected by the trainee are acceptable.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Local unit SOP

#### 10.10.7 SURVEILLANCE DIRECTOR (SD)

10.10.7.1 Purpose. To train the 7210 in detailed surveillance planning skills required to manage the surveillance section.

#### 10.10.7.2 General

Admin Notes. This stage of training may be conducted concurrently with the WD stage.

Prerequisite. 2150

Crew Requirement. None.

SD-2300      8.0      \*      B,R      Falconview L

Goal. Develop RADAR coverage diagram

Requirement. Given a scenario, a map and terrain analysis software, complete the following with a WD:

1. Develop a RADAR coverage diagram for system RADARs that identify potential gaps in coverage due to terrain masking and RADAR horizon limitations.
2. Develop a recommended emplacement plan for MACS organic RADARs.

Performance Standard. Provide completed documents and brief the instructor on each requirement.

Instructor. BI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. 5910

Reference.

1. Falconview 3.2 User Guide
2. MCWP 3-25.7 TAOC Handbook

SD-2302 8.0 1095 B,R,M L

Goal. Develop communication requirements for the surveillance section

Requirement. Given a scenario and operational documents, identify the following surveillance section communication requirements:

1. Internal crew communication.
2. External agency Single channel radio (SCR) communication.
3. External agency internet relay chat communication.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. Instructor will discuss each item with the trainee.

Instructor. BI

Prerequisite. 2020, 2022, 2024, 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook
2. TI 10576C/11255B-OD AN/VRC-103(V)3 Comm Interface System

SD-2304 8.0 \* B C2 System L/S

Goal. Conduct EW planning

Requirement. With the aid of a WD and an enemy order of battle (air and ground):

1. Identify enemy EW capabilities.
2. Produce an EP plan to counter enemy EW capabilities to include:
  - a. Emissions Control (EMCON) plan.
  - b. Subordinate unit Radiation Control (RADCON) plan.
  - c. Special Electronic Technique (SET) employment plan.
3. Plan for AN/TPS-59 decoy employment.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. Instructor will discuss each item with the trainee.

Instructor. BI



Prerequisite. 2036, 2150

Ordnance. None.

Range. None.

External Syllabus Support. RADAR Section, METOC

Reference.

1. MAWTS-1 Aviation Intelligence Publication
2. AN/TPS-59 OI 07751C (Classified)
3. TM 08611B-01 (VOL 1,2 or 3)

SD-2306      2.0      \*      B,R      L/S

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Goal. Maximize organic RADAR performance

Requirement. Given the references and a RADAR coverage diagram, perform the following:

1. Coordinate RADAR utilization plan with RADAR section.
2. Conduct sensor registration.
3. Provide timely weather updates to RADAR section.
4. Set low-speed filter.
5. Plan for a sector inhibit or censor area.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI

Prerequisite. 2000, 2150, 2300

Ordnance. None.

Range. None.

External Syllabus Support. RADAR Section, METOC

Reference.

1. CJCSM 6120.01 Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. AN/TPS-59 TM 00751C 14-10
3. TM 08611B-01 (VOL 1,2 or 3)

SD-2308      3.0      \*      B      S/L

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Goal. Extract tactical interface data link planning requirements

Requirement. Given an OPTASKLINK, perform the following:

1. Extract primary data link architecture.
2. Extract secondary data link architecture.
3. State tactical data link management duties.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. Instructor will discuss each item with the trainee.

Instructor. BI

Prerequisite. 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E 01\_ Joint Multi-TDL Operating Procedures (JMTO) Manual

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SD-2310      3.0      \*      B      S/L

Goal. Conduct Composite Tracking Network employment planning

Requirement. Given an OPTASKCEC, perform the following:

1. Extract CEC architecture.
2. Plan for CTN emplacement.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TACMEMO 3-01.3-12 CEC Tactical Employment Guide, Feb 2012
2. USN Capabilities and Limitations website  
<http://cnl.phdnswc.navy.smil.mil/>
3. Navy CEC Fact Sheet

#### 10.10.8 AIR INTERCEPT FAMILIARIZATION (AFAM)

10.10.8.1 Purpose. To familiarize the 7210 in the understanding of air intercept control skills and deep air operations to include communication procedures, friendly tactics and threat capabilities. This stage supports 7210 training towards WD qualification requirements.

10.10.8.2 General

Admin Notes

- (1) A single mission will consist of a brief, execution and debrief.
- (2) A 7210 will be part of the control team with the 7236 AIC 2, but will only observe while the 7236 AIC 2 conducts the mission.

Prerequisites. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136

Crew Requirements. None.

AFAM-2500 3.0 \* B C2 System S

Goal. Observe AIC functions for a section of fighter aircraft using N/GTD

Requirement. Given a C2 system and a simulation, observe the control of a section of fighter aircraft against an unknown threat, to include the following:

1. Accurate initial picture.
2. Recognition of commit/reset criteria.
3. Transition from broadcast control to tactical control.
4. Accurate and timely declarations.
5. Accurate and timely recognition and communication of maneuvering targets.
6. Post merge picture.
7. Effective cold ops execution/communication when required.
8. Effective communications brevity IAW reference.

Performance Standard. Complete the requirement.

Instructor. AICI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136

Ordnance. None.

Range. None.

External Syllabus Support. AIC 2

Reference.

1. TOPGUN MANUAL

AFAM-2502 3.0 \* B,R C2 System S

Goal. Observe AIC functions for a section of fighter aircraft using DTD

Requirement. Given a C2 system and a simulation, observe the control of

a section of fighter aircraft against an unknown threat, to include the following:

1. Accurate initial picture.
2. Recognition of commit/reset criteria.
3. Transition from broadcast control to tactical control with proper labels and names.
4. Accurate and timely declarations.
5. Accurate and timely recognition and communication of maneuvering targets.
6. Post merge picture.
7. Effective cold ops execution/communication when required.
8. Effective communications brevity IAW reference.

Performance Standard. Complete the requirement.

Instructor. AICI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136

Ordnance. None.

Range. None.

External Syllabus Support. AIC 2

Reference.

1. TOPGUN MANUAL

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AFAM-2504    3.0    \*    B,R    C2 System    L

Goal. Observe AIC functions for a section of fighter aircraft against unknown threat

Requirement. Given a C2 System with live tactical RADAR inputs, observe the control of a section of fighter aircraft against an unknown threat, to include the following:

1. Accurate initial picture.
2. Recognition of commit/reset criteria.
3. Transition from broadcast control to tactical control with proper labels and names.
4. Accurate and timely declarations.
5. Accurate and timely recognition and communication of maneuvering targets.
6. Post merge picture.
7. Effective cold ops execution/communication when required.
8. Effective communications brevity IAW reference.

Performance Standard. Complete the requirement.

Instructor. AICI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136

Ordnance. None.

Range. None.

External Syllabus Support. AIC 2

Reference.

1. TOPGUN MANUAL

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AFAM-2564 3.0 \* B C2 System S

Goal. Observe AIC functions for a division of fighter aircraft performing NTD

Requirement. Given organic tactical systems, references, scenario, and while demonstrating scope mechanics, interpretation, and utilization, observe the control of a division of fighter aircraft against unknown threat, to include the following:

1. Perform fighter timeline awareness.
2. Perform AIC communications.
3. Perform proactive involvement.
4. Respond to fighter requests.
5. Perform scope mechanics.

Performance Standard. Perform the requirement.

Instructor. AICI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136

Ordnance. None.

Range. None.

External Syllabus Support. AIC 2

Reference.

1. TOPGUN MANUAL

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AFAM-2566 3.0 \* B C2 System S

Goal. Observe AIC functions for a division of fighter aircraft performing DTD/FT

Requirement. Given organic tactical systems, references, scenario, and while demonstrating scope mechanics, interpretation, and utilization, observe the control of a division of fighter aircraft against unknown threat, to include the following:

1. Perform fighter timeline awareness.
2. Perform AIC communications.
3. Perform proactive involvement.
4. Respond to fighter requests.
5. Perform scope mechanics.

Performance Standard. Perform the requirement.

Instructor. AICI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2500, 2502, 2504, 2564

Ordnance. None.

Range. None.

External Syllabus Support. AIC 2

Reference.

1. TOPGUN MANUAL

#### 10.10.9 Weapons Director (WD)

10.10.9.1 Purpose. To train the 7210 in detailed weapons planning skills that includes airspace management; AAW, DAS, and AAR asset management. These skills are required to manage the weapons section.

#### 10.10.9.2 General

Admin Notes. This stage of training may be conducted concurrently with the SD stage of training.

Prerequisite. 2150

Crew Requirements. None.

WD-2600      8.0      \*      B,R      S/L

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Goal. Conduct threat analysis

Requirement. With the aid of references, given a scenario and operational documents, analyze the following with a SD:

1. Threat/time distance to Defended Asset List (DAL).
2. Threat surface-to-air missile systems.
3. Threat air-to-air platforms.
4. Threat air-to-surface delivered weapons.
5. Threat surface-to-surface weapons.

Performance Standard. Complete the requirement items with the aid of an SD. Minor errors corrected by the trainee are acceptable. Instructor will discuss each item with the trainee.

Instructor. BI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-22
2. MCWP 3-25
3. JP 3.01
4. MAWTS-1 Aviation Intelligence Publication

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WD-2602      8.0      \*      B,R      L

Goal. Conduct air defense planning

Requirement. Given a scenario and planning documents:

1. Extract Critical Asset List (CAL)/Defended Asset List (DAL) from source documents.
2. Extract IADS information for the AOR.
3. Develop air defense asset casualty procedures.
4. Plan required GBAD liaison communications.
5. Extract ROE.
6. Establish procedures for weapons assignment based on threat evaluation.
7. Identify AAW external communication requirements.
8. Identify air defense assets available for TAOC control.

Performance Standard. Complete all requirements and provide the information to the instructor.

Instructor. BI qualified SAD, BI qualified WD

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6040 USMTF
2. MCWP 3-22 Anti-Air Warfare
3. MCWP 3-25 Command and Control of Aircraft and Missiles
4. JP 3-01 Countering Air and Missile Threats

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WD-2604      8.0      \*      B      L

Goal. Conduct airspace management planning

Requirement. Given a scenario and operational planning documents:

1. Extract airspace management information from the Airspace Control Plan (ACP), Special Instructions (SPINS), and the Airspace Control Order (ACO).

2. Recommend Airspace Control Measures (ACM) for the TAOC Area of Operations (AO).
3. Develop internal and external aircraft handover procedures.

Performance Standard. Complete all requirements and present the information to the instructor. The trainee should be prepared to answer questions from the instructor.

Instructor. BI

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6040 USMTF
2. MCWP 3-25 Command and Control of Aircraft and Missiles

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WD-2606      8.0      \*      B      L

Goal. Conduct deep air operations planning

Requirement. Given a scenario and operational planning documents:

1. Extract targets from the Joint Integrated Prioritized Target List (JIPTL), High Value Target (HVT) list, High Payoff Target (HPT) list and the Reactive Attack Guidance Matrix (RAGM).
2. Develop DAS aircraft handover procedures.
3. Extract applicable database items.
4. Identify available DAS aircraft assets.

Performance Standard. Complete all requirements and present the information to the instructor. The trainee should be prepared to answer questions from the instructor.

Instructor. BI

Prerequisite. 2150, 2604

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

MCWP 3-25.7

#### 10.10.10 Senior Air Director (SAD)

10.10.10.1 Purpose. To train the 7210 in TAOC mission and tactical planning.



10.10.10.2 General

Admin Notes. This stage of training may not be conducted until the SD and WD qualifications are attained.

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Crew Requirements. A mission skill proficient Crew Chief.

SAD-2700      8.0      \*      B,R      L

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Goal. Conduct mission planning

Requirement. Given mission tasking, Commander's guidance, and assistance of a Crew Chief, SD, and WD, determine requirements to support the TAOC mission taking into account the following:

1. Operational hours and duration of operation/exercise.
2. Communication requirements.
3. Digital backbone.
4. Echelon requirements.
5. Information exchange requirements.
6. 24 hour crew structure with change over procedures.
7. Compound security.
8. C2 System internal configuration.
9. RADAR emplacement.

Performance Standard. Complete all requirements and present the information to the instructor. The trainee should be prepared to answer questions from the instructor.

Instructor. BI qualified SAD

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordnance. None.

Range. None.

External Syllabus Support. 7236

Reference.  
MCWP 3-25.7

SAD-2702      2.0      \*      B,R      L

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Goal. Conduct a site survey

Requirement. With the assistance of a Crew Chief and given a scenario, applicable references, an Equipment Density List (EDL) and mission statement, determine a site for system emplacement:

1. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
  - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
  - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordinance (HERO) regulations.
  - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
  - d. Ensure emitters are emplaced to support working area.
5. Determine protection from the elements.
6. Determine Terrain Masking.
7. Determine operational footprint.
8. Design a site layout.

Performance Standard. Complete a site survey and brief the instructor. The trainee should be prepared to answer questions from the instructor.

Instructor. SI qualified SAD

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. S-4, Utilities Section, S-6

Reference.

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 3-25.7
4. MCWP 5-1
5. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM

102012089A-14&P Equipment Description

6. Meshnet Ethernet Unit (MEU 1-2) TECH MANUAL 762326, Equipment Description
7. Network Access Unit (NAU 5-1) TECH MANUAL 762324 Equipment Description
8. User Control Device (UCD 1-4) TECH MANUAL 762325
9. System Description and Overview Communications Distribution System TECH MANUAL 762323
10. IEEE C95.1-1991
11. NAVSHIPS 0967-317-7010
12. TM 9406-15
13. DODINST 6055.11
14. BUMED 6470.23
15. OPNAVINST 5100.23 Series
16. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
17. Navy Safety Center
18. MCO 5100.29A W/CH 1
19. MCO 5104.2
20. MCO 5104.3A

SAD-2704      1.5      \*      B      S/L

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Goal. Prepare a plan for TAOC displacement operations

Requirement. Given a scenario-based Tactical Decision Game (TDG):

1. Define TAOC displacement operations.
2. Explain the steps of TAOC displacement operations IAW the references.
3. Write a plan for the TAOC to displace, annotate identified issues of concern.

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee. The written plan must support the scenario.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. MCWP 5-1, Marine Corps Planning Process (MCP)

4. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System
5. MAGTF Operations Ashore

SAD-2706 1.0 \* B S/L

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Goal. Prepare a plan for Phasing Control Ashore

Requirement. Given a scenario-based TDG, demonstrate the following:

1. Define phasing control ashore.
2. Explain each step of phasing control ashore.
3. Determine common issues of concern.
4. Write a plan to phase control ashore, annotate identified issues of concern.

Performance Standard. Complete all the requirement items while working with an CC.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. 7236

Reference.

1. MCWP 3-25.7, TAOC Handbook
2. U-TAOC-PCL-XXXX, Pocket Checklist
3. MCWP 5-1, Marine Corps Planning Process (MCP)
4. MAGTF Operations Ashore
5. JP 3-02 Joint Doctrine for Amphibious Operations
6. MCO 3501.9B Marine Corps Combat Readiness Evaluation System

SAD-2708 80.0 \* B S

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Goal. Create and supervise the conduct of a TAOC simulation

Requirement. Given a list of training objectives, plan, coordinate, and execute a TAOC simulation to include:

1. Develop a scenario IAW training objectives.
2. Build a TAOC simulation to support the scenario
3. Submit the scenario to the instructor.
4. Request required communications and support equipment

5. Oversee setup of the TAOC and white cell
6. Supervise execution of the scenario
7. Compile After-Action items

Performance Standard. Complete all the requirement items while working with an CC.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordnance. None.

Range. None.

External Syllabus Support. S-6, S-4, MT/UT, 7236

Reference.

1. U-TAOC-PCL-XXXX, Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System
4. MCWP 5-1, Marine Corps Planning Process (MCPP)
5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual

10.10.11 Detachment Commander (DETCO)

10.10.11.1 Purpose. To give the 7210 training in Detachment Commander responsibilities prior to deploying the TAOC.

10.10.11.2 General

Admin Notes. Training can begin on DETCO events upon successful graduation from ADCOC.

Prerequisite. None.

Crew Requirements. None.

DETCO-2800 16.0 \* B E L

Goal. Develop a plan for the employment of the TAOC

Requirement. Given a scenario, Commander's guidance, mission, required source documentation and support sections (TDS, RADAR, S-1, S-2, S-4, S-6), conduct an Operational Planning Team and develop TAOC specific requirements, to include:

1. Personnel.
2. Equipment.
3. Equipment Desity List (EDL).
4. Bill of Materials (BOM).
5. C2 System emplacement plan.
6. RADAR emplacement plan.
7. Internal and external communications.
8. Logistics.
9. Casualty/degradation plan and detailed restoration priorities plan.

Performance Standard. Complete each requirement IAW the references and brief the instructor. Instructor shall question the trainee during the brief to check for understanding of mission analysis process. Instructor shall review submitted products to ensure they support the scenario and provide feedback.

Instructor. WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TDS, RADAR, S-1, S-2, S-4, S-6

Reference.  
MCWP 3-25.7, TAOC Handbook

#### 10.10.12 Command and Control Systems (C2SYS)

10.10.12.1 Purpose. To develop proficiency in utilizing the command and control systems used in TAOC operations.

#### 10.10.12.2 General

Admin Notes. Command and control system events are located in the MAWTS-1 C3 Course Catalog in order to maintain standardized training across the MACCS. The table below lists all C2SYS events that are to be completed by personnel position dependent:

EVENT CODE	EVENT NAME	POSITION	PRE-REQS
C2SYS-2910	Use the Execution Status and Monitoring (ESTAT) tool	WD, SAD	NONE
C2SYS-2940	Set up and establish communications utilizing tactical chat	WD, SD	NONE
C2SYS-2941	Operate Web Development Software (i.e. SharePoint)	SD, WD	NONE
C2SYS-2943	Operate the Joint Range Extension Gateway	SD	NONE

Prerequisite. None.

Crew Requirement. None.

10.11 MISSION SKILL TRAINING (3000)

10.11.1 Purpose. To train the 7210 in surveillance and weapons section employment and management. After completing SD and WD qualifications, the 7210 will train in crew management and TAOC employment as a SAD. Focus of this phase is to train the 7210 to execute methods, exercise practical application of skill sets, and plan/manage TAOC operational capabilities.

10.11.2 General

10.11.2.1 Prerequisite. None.

10.11.2.2 Admin Notes

- (1) The SD and WD training can be conducted concurrently.
- (2) The 7210 must complete the SD and WD qualifications prior to progressing to the SAD skill set.
- (3) Core skill C2SYS events must be completed.
- (4) For the culminating mission skill event (evaluation of knowledge, skills, and attitudes prior to recommendation for qualification), only C2 systems found on the MACS Table of Equipment will be used.

10.11.2.3 Stages. The following stages are included in the Mission Skill Phase of training:

PAR NO.	STAGE NAME
10.11.3	ACADEMICS (ACAD)
10.11.4	SURVEILLANCE DIRECTOR (SD)
10.11.5	WEAPONS DIRECTOR (WD)
10.11.6	SENIOR AIR DIRECTOR (SAD)
10.11.7	DETACHMENT COMMANDER (DETCO)
10.11.8	COMMAND AND CONTROL SYSTEMS (C2SYS)

10.11.3 ACADEMICS (ACAD)

10.11.3.1 Purpose. To provide the 7210 standardized mission skill academic knowledge to perform specific duties. Academic events are one-time events unless otherwise stated.

10.11.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirements. None.

ACAD-3000 6.0 1460 B,R,M E G

Goal. State the responsibilities for, planning, and operating procedures for the Multi-Link Interface

Requirement. Given the reference:

1. State the concept and information exchange within the Multi-Link Interface.
2. List the technical functions of the Multi-Link Interface.
3. List the three elements of the Multi-Link Interface.
4. Define the following Interface Units:
  - a. Interface Unit (IU).
  - b. JTIDS/MIDS Unit (JU).
  - c. Command and Control JTIDS/MIDS Unit (C2JU).
  - d. Non-Command and Control JTIDS/MIDS Unit (Non-C2JU).
  - e. Participating Unit (PU).
  - f. Reporting Unit (RU).
  - g. Supporting Unit (SU).
  - h. Forwarding JTIDS/MIDS Unit A (FJUA).
  - i. Forwarding JTIDS/MIDS Unit B (FJUB).
  - j. Forwarding JTIDS/MIDS Unit AB (FJUAB).
  - k. Forwarding Participating Unit (FPU).
  - l. Forwarding Reporting Unit (FPU).
  - m. Concurrent Interface Unit (CIU).
5. Define the Basic Interface and list its three data links.
6. Define the Extended Interface.
7. Define the following interface voice coordination nets:
  - a. Air Defense Command and Control Net (ADCCN).
  - b. Engagement Coordination Net (ECN).
  - c. Data Link Coordination Net (DCN).
  - d. Track Supervision Net (TSN).
  - e. Voice Product Net (VPN).
8. Define Data Forwarding.
9. Define Current Operations.
10. Define Data Looping.
11. State the purpose of the following data registrations:
  - a. Geodetic registration.
  - b. Sensor registration.
  - c. Remote Interface unit (IU/JU) registration.
12. State the purpose of the Operational Tasking Links (OPTASK LINK) message.
13. State the purpose of the Common Message Processor (CMP) and discuss its relationship to the OPTASK LINK.
14. Define the following prearranged data items:
  - a. Interface Unit (IU) Addresses, to include legal ranges.
  - b. Track Number (TN) Allocation, to include legal ranges.
  - c. Data filters, to include usages.
  - d. Adaptive values.
15. Describe the delegation of responsibilities for the conduct of Multi-Link operations at the Joint Task Force (JTF) level and below.
16. Define the responsibilities of the Joint Data Network Officer and list the subordinate networks he/she has the responsibility of coordinating and integrating information within.
17. List the eight Interface Control Officer planning functions.
18. List the two Interface Control Officer execution functions.
19. State the responsibilities of the Link 16 Manager.
20. State the responsibilities of the Link 11/11B Manager.
21. State the responsibilities of the Track Data Coordinator.
22. List the minimum requirements for Services that operate the Multi-Link Interface.
23. List the typical planning input requirements for the following areas:



- a. Operational environment.
- b. Interface participants.
- c. Capabilities and limitations of supporting tactical data links.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website <https://standmgt.disa.mil/restricted/usmtf/>

#### 10.11.4 SURVEILLANCE DIRECTOR (SD)

10.11.4.1 Purpose. To train the 7210 in SD duties that includes briefing and management of the surveillance section.

#### 10.11.4.2 General

Admin Notes. This stage of training may be conducted concurrently with the WD stage of training.

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310

Crew Requirements. TAOC or EW/C core skill proficient crew.

SD-3300      8.0      1095      B,R,M      L

Goal. Brief the Surveillance section

Requirement. Given operational documents, develop a SD brief and brief the crew.

Performance Standard. Provide a Surveillance Section brief IAW the reference.

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 3000

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

SD-3302 12.0 1095 B,R,M E C2 System L

Goal. Perform as a SD

Requirement. Given an operational C2 system, organic RADAR, a core capable surveillance crew, and operational documents:

1. Conduct a crew brief.
2. Ensure organic RADAR performance is maximized.
3. Validate surveillance database entries including EMCON, data links, RADAR parameters, and ACM's.
4. Ensure aircraft are identified and classified.
5. Ensure data links are initialized.
6. Coordinate entry into CEC architecture.
7. Activate EP/EMCON plan.
8. Implement RADCON plan.
9. Coordinate with RADAR section to identify any jamming sources.
10. Fix location of threat jammers with proper symbology.
11. Ensure manual crosstell procedures are followed.
12. Compile and forward Joint Spectrum Interference Resolution (JSIR) report.
13. Maintain logbook.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3300, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordinance. None.

Range. None.

External Syllabus Support. External C2 Agency with TDL capability

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MCWP 3-25.7
3. MIL-STD 6040 USMTF Baseline

10.11.5 Weapons Director (WD)

10.11.5.1 Purpose. To train the 7210 in WD duties that includes briefing and management of the weapons section.



Prerequisite. 2150, 2600, 2602, 2604, 2606, 3600

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-22, Anti-Air Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. JP 3-01, Countering Air and Missile Threats

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WD-3604      8.0      \*      B      C2 System      L/S

Goal. Manage aerial refueling

Requirement. Given a C2 system and operational documents:

1. Maintain updated flow of available assets.
2. Maintain updated list of aircraft scheduled to AAR that includes associated time of refuel and amount of fuel to receive.
4. Coordinate with higher/adjacent/subordinate agencies availability of on-station fuel.
5. Manage Aerial Refueling (AR) operations to include:
  - a. Tanker on the appropriate track at the appropriate altitude block.
  - b. Manage the Slide/Retrograde plan as the threat dictates.
  - c. Monitor, record, and report tanker fuel status.
6. Coordinate with and make recommendations to the SAD for the launch of SLA tankers.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2150, 2600, 2602, 2604, 2606

Ordnance. None.

Range. None.

External Syllabus Support. External C3 agencies and tactical/ support aircraft.

Reference.

1. MCWP 3-25.7 TAOC Handbook

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WD-3606      8.0      \*      B      C2 System      L/S

Goal. Manage combat air patrol(s)

Requirement. Given a C2 system and operational documents:

1. Maintain updated flow of available AAW aviation assets.
2. Recommend CAP manning and relief plan to the TACC ADC.
3. Manage AAW aviation assets to ensure CAP is manned.
4. Manage Strip Launch Alert (SLA) status times.
5. Update aircraft status to include:
  - a. Current weapons loadout.
  - b. Current fuel status.
  - c. Time on station.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SAD, SI qualified WD

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606

Ordnance. None.

Range. None.

External Syllabus Support. External C3 agencies and tactical/ support aircraft.

Reference.  
MCWP 3-25.7 TAOC Handbook

WD-3608      8.0      \*      B,R      C2 System      L/S

Goal. Coordinate deep air operations

Requirement. Given a C2 system and operational documents:

1. Coordinate with external C2 agencies for current JIPTL, HVT, HPT and RAGM.
2. Coordinate with external C2 agencies to match available aviation assets with requests.
3. Report Battle Damage Assessment (BDA).

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SAD, SI qualified WD

Prerequisite. 2150, 2600, 2602, 2604, 2606, 3600, 3602

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-60, Joint Targetting
2. MCWP 3-25.7, TAOC Handbook
3. MCWP 3-16, Fire Support Coordination in the Ground Combat Element
4. MCWP 3-43.3, Marine Air Ground Task Force Fires
5. MCWP 3-23.2, Deep Air Support

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WD-3610      8.0      1460      B,R,M              E              C2 System      L/S

Goal. Perform as WD

Requirement. Given a C2 system and operational documents:

1. Conduct a weapons section crew brief.
2. Manage employment of AAW and GBAD assets.
3. Manage HVAA assets.
4. Manage itinerant aircraft traffic.
5. Coordinate deep air operations.
6. Make recommendations on ADWC/WCS/SOA and ROE changes.
7. Ensure emergency procedures are implemented as required.
8. Compile and forward all applicable reports.
9. Maintain a log.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SAD, SI qualified WD

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordnance. None.

Range. None.

External Syllabus Support. External C3 agencies, tactical/ support aircraft.

Reference.

1. MCWP 3-25.7 TAOC Handbook

#### 10.11.6 Senior Air Director (SAD)

10.11.6.1 Purpose. To train the 7210 in the responsibilities, management and employment of the TAOC which includes and proper planning with TAOC and supporting

sections within the MACS and TAOC employment coordination among agencies within the MACCS.

#### 10.11.6.2 General

Admin Notes. This stage of training may not be conducted until the SD and WD qualifications are attained.

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Crew Requirements. A TAOC or EW/C core skill proficient crew.

SAD-3700      8.0      \*      B      C2 System      L

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Goal. Direct emplacement of the TAOC

Requirement. Given a site diagram with notation, 2 TAOC crews, 2 Communication electronics crews, support personnel, and TAOC equipment, direct the following:

1. Emplacement of equipment.
2. Establishment of site security.
3. Camouflage of equipment and site.
4. Emplacement of communications and support equipment

Performance Standard. Emplace a TAOC IAW with the site diagram.

Instructor. SI qualified SAD

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. 7236, S-6, S-4, MT/UT

Reference.

1. MCWP 3-25.7 TAOC Handbook

SAD-3702 8.0 \* B L

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Goal. Brief the TAOC crew

Requirement. Given operational documents, develop a brief and provide it to the crew.

Performance Standard. Provide a brief IAW the reference.

Instructor. SI qualified SAD

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

SAD-3704 24.0 1460 B,R,M E C2 System L/S

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Goal. Perform the duties of a SAD

Requirement. Given Commander's guidance, references, supporting documentation, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct mission planning.
2. Conduct a site survey.
3. Coordinate with external agencies.
4. Ensure local emergency contacts (ATC, range control, etc) and procedures are available.
5. Manage communication assets.
6. Conduct crew brief/debrief
7. Supervise the following:
  - a. Communications
  - b. Fidelity drills
  - c. Casualty plan/system restoration
8. Direct and manage crew functions.
9. Maintain logbooks.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation



requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SAD

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. External C3 agencies, S-6, S-4, MT/UT

Reference.

1. MCWP 3-25.7, TAOC Handbook

#### 10.11.7 Detachment Commander (DETCO)

10.11.7.1 Purpose. To give the 7210 training in Detachment Commander tasks and responsibilities for deploying the TAOC prior to being designated by the Commanding Officer.

#### 10.11.7.2 General

Admin Notes. Training can begin on DETCO events upon successful graduation from ADCOC.

Prerequisite. None

Crew Requirements. None.

DETCO-3800 16.0 \* B E L

Goal. Conduct tactical planning

Requirement. Given a scenario, complete the following:

1. Collect and make available source documentation required for tactical planning.
2. Determine TAOC requirements to support the Commander's guidance.
3. Establish timelines for internal unit planning.
4. Brief the Commander and staff on TAOC operational requirements.
5. Provide guidance to SADs.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation)

requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

DETCO-3802 16.0 1460 B,R,M L

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Goal. Provide a confirmation brief

Requirement. Given a scenario, Commander's guidance, mission, required source documentation and support sections (TDS, RADAR, S-1, S-2, S-4, S-6), complete the following:

1. Conduct operational planning.
2. Develop TAOC specific requirements that include:
  - a. Personnel requirements.
  - b. Equipment requirements.
  - c. Equipment density list.
  - d. Bill of materials.
  - e. C2 system emplacement plan.
  - f. RADAR emplacement plan.
  - g. Identify communication requirements.
  - h. Identify utilities requirements.
  - i. Identify logistical requirements.
  - j. Casualty/degradation plan and detailed restoration priorities plan.
3. Develop a plan to move, setup, sustain and safely retrograde TAOC personnel and equipment.
4. Using a CO-approved confirmation brief shell, produce a confirmation brief.

Performance Standard. Brief the instructor. Complete each requirement item IAW the references. Instructor shall review submitted products to ensure they support the scenario and provide feedback. Instructor shall question the trainee during the brief to check for understanding of mission analysis process.

Instructor. WTI

Prerequisite. 2800

Ordnance. None.

Range. None.

External Syllabus Support. TDS, RADAR, S-1, S-2, S-4, S-6

Reference.

1. MCWP 3-25.7, TAOC Handbook

DETCO-3804 8.0 \* B \_\_\_\_\_ L

Goal. Deploy the TAOC

Requirement. With the aid of references and given an order to deploy, deploy the TAOC.

Performance Standard. Deploy the TAOC.

Instructor. WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

DETCO-3806 8.0 \* B \_\_\_\_\_ L

Goal. Retrograde the TAOC

Requirement. With the aid of references and given an order to retrograde, retrograde the TAOC.

Performance Standard. Retrograde the TAOC.

Instructor. WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

10.12 CORE PLUS TRAINING (4000)

10.12.1 Purpose. Core Plus Skills are intended to train the individual to utilize the tools, systems and/or procedures which have a low probability of

execution or are theater specific.

10.12.2 General

10.12.2.1 Admin Notes. None.

10.12.2.2 Prerequisite. None.

10.12.2.3 Stages

PAR NO.	STAGE NAME
10.12.3	ACADEMICS (ACAD)
10.12.4	SENIOR AIR DIRECTOR (SAD)
10.12.5	DETACHMENT COMMANDER (DETCO)
10.12.6	COMMAND AND CONTROL SYSTEMS (C2SYS)

10.12.3 ACADEMICS (ACAD)

10.12.3.1 Purpose. To provide the 7210 specific academic knowledge to perform duties that have a low likelihood of occurrence. Academic events are one-time events unless otherwise stated.

10.12.3.2 General

Admin Notes. None.

Prerequisite. None.

Crew Requirements. None.

ACAD-4000 2.0 \* B G

Goal. State the characteristics of and terms associated with Link 11B

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
  - a. Limited Transmission of Data (LTD) mode.
  - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Pass an exam.

Instructor. BI qualified DLC, BI qualified SAD, BI qualified SD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL-STD-601\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

#### 10.12.4 Senior Air Director (SAD)

10.12.4.1 Purpose. To provide the 7210 SAD training for mission requirements that have a low likelihood of occurrence.

#### 10.12.4.2 General

Admin Notes. None.

Prerequisite. None.

Crew Requirements. None.

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SAD-4700    3.0    \*    B    L

Goal. Plan for the emplacement of a Theater Missile Defense (TMD) site

Requirement. Given a threat scenario, perform the following:

1. Conduct threat analysis.
2. Develop a recommended emplacement plan for tactical C2 equipment and the AN/TPS-59.
3. State the environmental considerations when employing the AN/TPS-59.
4. State the nine considerations for selecting a RADAR site.
5. State the power following specifications for the AN/TPS-59 RADAR:
  - a. Power requirements.
  - b. Antenna height.
  - c. Required surface area.
  - d. Frequency spectrum and associated band(s).
  - e. Number of shelters.
  - f. Transportability.
  - g. Set up time.
  - h. Crew size for 24 hour operations.
  - i. Mission capabilities.

Performance Standard. Complete the requirement items IAW the references.

Instructor. SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AN/TPS-59 V3 Technical Manual / TM-07751
2. AN/TPS-59 V3 Employment Manual
3. TMD Operations Manual

SAD-4702      3.0      \*      B      L

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Goal. Plan for the employment of a Theater Missile Defense (TMD) site

Requirement. Given a threat scenario, perform the following:

1. Plan information exchange requirements (IER) for AMD mission and complete an IER matrix which will include the following:
  - a. Agencies that will exchange information.
  - b. Information to be exchanged.
  - c. Medium to exchange the information.
2. Identify data link connectivity.
3. Identify communication requirements in support of the TMD.
4. State RADAR modes appropriate to detect and track missile threat.
5. Submit the IER Matrix to the instructor for evaluation.

Performance Standard. Complete the requirement items IAW the references.

Instructor. SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AN/TPS-59 V3 Technical Manual
2. AN/TPS-59 V3 Employment Manual
3. TMD Operations Manual

10.12.5 Detachment Commander (DETCO)

10.12.5.1 Purpose. To give the 7210 training in Detachment Commander responsibilities that have a low likelihood of occurrence.

10.12.5.2 General

Admin Notes. Training can begin on DETCO events upon successful graduation from ADCOC.

Prerequisite. Core and mission skill DETCO events.

Crew Requirements. None.

DETCO-4800 4.0 \* B L/S

Goal. Draft a Memorandum of Understanding (MOU)

Requirement. Given the requirement to incorporate non-organic RADAR feeds into the Marine Corps C2 system, complete the following:

1. Identify requirements necessitating a memorandum of understanding (MOU) with external RADAR agency.
2. Identify elements to be included in the MOU, to include at a minimum:
  - a. Maintenance of equipment responsibilities.
  - b. RADAR sharing roles.
3. Coordinate with appropriate sections the execution of MOU provisions.

Performance Standard. Create an MOU for submission to the instructor and brief the instructor on decisions made. The instructor will provide feedback on areas which could be addressed differently.

Instructor. WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

#### 10.12.6 Command and Control Systems (C2SYS)

10.12.6.1 Purpose. To develop proficiency in utilizing the command and control systems used in TAOC operations.

#### 10.12.6.2 General

Prerequisite. None.

Admin Notes. Command and control system events are located in the MAWTS-1 C3 Course Catalog in order to maintain standardized training across the MACCS. The table below lists all C2SYS events that are to be completed by personnel, position dependent:

<u>EVENT CODE</u>	<u>EVENT NAME</u>	<u>POSITION</u>	<u>PRE-REQS</u>
C2SYS-4921	Operate C2 Personal Computer (C2PC)	WD	None
C2SYS-4942	Operate Air Defense System Integrator (ADSI)	SD	None

Crew Requirements. None.

10.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

10.13.1 Purpose. To provide position qualified personnel the additional skills necessary to instruct, evaluate and recommend for completion / qualification "trainees" within a crew. Upon completion of the required training, an individual may be considered for instructor designation by the Commanding Officer, WTTP Officer, or direct representative as delineated.

10.13.2 General

10.13.2.1 Prerequisite. None.

10.13.2.2 Admin Notes

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to concepts of managing a WTTP, properly conducting training, performing evaluations, and recommending training plans.

b. There are three instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

(3) Weapons and Tactics Instructor (WTI)

c. The MAWTS-1 C3 Course catalog contains the training requirements for each of the three instructors. The catalog is located at the MAWTS-1 website, <https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.asp>.

d. The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

INSTRUCTOR	Event Training, Evaluation and Approval
BI	Core Skill events in which current and proficient
SI	Core Skill and Mission Skill events in which current and proficient.
WTI	Mission Skill and Qualification events in which current and proficient. - Evaluate and recommend for qualification - Endorse recommendations for position designations
	The Commanding Officer is the approving authority for qualifications and designations.

10.13.2.3 Stages. The following stages are included in the Instructor Under Training Phase of training.

PAR NO.	STAGE NAME
10.13.3	INSTRUCTOR UNDER TRAINING (IUT)



10.13.3 INSTRUCTOR UNDER TRAINING (IUT)

10.13.3.1 Purpose. To train the individual Marine in the skills required to lead a period of instruction.

10.13.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a T&R event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

10.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000)

10.14.1 Purpose. This phase provides for community standardization of TAOC position qualifications, combat leadership and instructor designations. This syllabus does not include "one time" certification training.

10.14.2 General

10.14.2.1 Prerequisite. None.

10.14.2.2 Admin Notes

(1) The squadron WTI shall review the IPR to ensure all required training, documentation and administrative actions have been completed prior to staffing qualification or designation recommendations for approval.

(2) Only once an individual is qualified or designated in writing, the signed letter filed in the IPR, and all administrative actions are completed will the qualification or designation be effective.

10.14.2.3 Stages. The following stages are included in this Phase of training.

PAR NO.	STAGE NAME
10.14.3	CERTIFICATIONS (CERT)
10.14.4	QUALIFICATIONS (QUAL)
10.14.5	DESIGNATIONS (DESG)
10.14.6	SCHOOL CODES (SCHL)

10.14.3 Certifications (CERT)

10.14.3.1 Purpose. To provide certifications used within the training of individuals in safety of flight.

10.14.3.2 General

Admin Notes. This is annual training that must be completed by all personnel prior to beginning any live training. This is completed annually or upon transfer to a new unit.

Prerequisite. None.

Crew Requirements. None.

CERT-6175 0.5 365 B,R,M E L

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Goal. Certify in Local Area Familiarization.

Requirement. Complete the training prescribed in LFAM-2150.

Performance Standard. N/A

Prerequisite. 2150

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference. Unit SOP

10.14.4 QUALIFICATIONS (QUAL)

10.14.4.1 Purpose. To qualify personnel in the various TAOC positions as TAOC crewmembers.

10.14.4.2 General

Prerequisite. Complete all prerequisites for qualification and be recommended by a WTI.

Admin Notes. Policy on attaining, maintaining and regaining a qualification is contained in chapter 2 of reference (a).

Crew Requirement. Mission skill proficient TAOC crew

QUAL-6275 0.5 \* B L

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Goal. Qualify as Surveillance Director (SD)

Requirement. Complete the required training in the SD POI. Be recommended by a WTI to the commanding officer who will approve the qualification in

writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3000, 3300, 3302, 6175, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6276 \* B L

Goal. Qualify as Weapons Director (WD)

Requirement. Complete the required training in the WD POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 3610, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6277 0.5 \* B L

Goal. Qualify as a Senior Air Director (SAD)

Requirement. Complete the required training in the SAD POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2704, 2706, 2708, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 3700, 3702, 3704, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

#### 10.14.4 Designations (DESG)

10.14.4.1 Purpose. To provide for the designation of combat leaders and instructors.

#### 10.14.4.2 General

Prerequisite. Complete all designation requirements and be recommended for that designation. However, in the event that a commander deems it necessary to designate someone who has not completed the prerequisite, that person must complete the prerequisite within 6 months from the effective date of designation.

Admin Notes. None.

Crew Requirements. None.

DESG-6320 0.5 \* B \_\_\_\_\_ L

Goal. Designation as a Basic Instructor (BI)

Requirement. Be recommended for BI designation by a SI or WTI, and designated in writing by the commanding officer.

Performance Standard. N/A

Prerequisite. 5000, 5010, 5020

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6321 0.5 \* \_\_\_\_\_ L

Goal. Designation as a Senior Instructor (SI)

Requirement. Be recommended for designation by a SI or WTI, and designated in writing by the commanding officer.

Performance Standard. N/A

Prerequisite. 5100, 5110, 5120, 5130

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6322 0.5 \* B \_\_\_\_\_ L

Goal. Designation as a Weapons and Tactics Instructor (WTI)

Requirement. Be certified by MAWTS-1 as a WTI and be recommended for designation by the squadron WTI. The commanding officer will designate the WTI in writing.

Performance Standard. N/A

Prerequisite. 6000

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6330 0.5 \* B \_\_\_\_\_ L

Goal. Designation as a Detachment Commander (DETCO)

Requirement. Be recommended for designation by the WTI and be designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062,

2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2704, 2706, 2708, 2800, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 3700, 3702, 3704, 3800, 3802, 3804, 3806, 6175, 6275, 6276, 6277, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

#### 10.14.4 SCHOOL CODES (SCHL)

10.14.4.1 Purpose. To provide tracking codes for required schools and training.

10.14.4.2 General

Prerequisite.

Admin Notes. The following table reflects skill enhancement training available to TAOC Marines:

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6026	Joint Interface Control Officer (JICO) (JT-301)	Fort Bragg, NC	N/A
SCHL-6069	USMC AIC Top Gun Ground School	Naval Strike and Air Warfare Center (NSAWC)	N39KYA1

#### 10.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

10.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

10.15.2 General

10.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

10.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

10.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
10.15.3	CONDITION (COND)

10.15.3 CONDITION (COND)

10.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

10.15.3.2 General

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Instruction (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B,R,M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis.
2. Review Operational Planning Documents.
3. Identify required support personnel.
4. Identify equipment requirements.
5. Conduct an RSOP.
6. Identify, create, and finalize administrative documents supporting the operation.
7. Coordinate with external agencies.

8. Conduct embarkation, and retrograde of personnel and equipment.
9. Maintain accountability of personnel.
10. Conduct TAOC operations.
10. Conduct crew evaluations.
12. Compile After-Action items.

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B,R,M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites.
2. Identify environmental concerns that may affect TAOC communication.
3. Coordinate with higher to provide TAOC requirements.
4. Coordinate site security, camouflage, dispersion, and trafficability.
5. Identify locations for emplacement of communications and support equipment.
6. Coordinate priorities for equipment emplacement.
7. Identify echelon considerations.
8. Identify Advanced Party/RSOP Team.
9. Occupy the site.
10. Emplace the TAOC.

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.



Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

#### 10.16 AVIATION CAREER PROGRESSION MODEL (8000)

10.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

#### 10.16.2 General

(1) The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

(2) ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

(3) MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

(4) Completed events shall be manually logged and tracked in M-SHARP.

(5) ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	2000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8060	<b>MAGTF</b>		1	2000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	2000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	2000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	2000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	2000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	2000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	2000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	3000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	3000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	3000 PHASE
ACPM	8085	JOINT TARGETING		4	3000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000 PHASE
TOTAL ACPM STAGE			40	145	

10.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
CORE SKILL (2000 Phase)											
Define combat identification	ACAD	2000	*	ACAD	2000					-	-
State the purpose of Interface Coordination	ACAD	2002	*	ACAD	2002					-	-
Define terms associated with Link 11	ACAD	2004	*	ACAD	2004					-	-
Define terms associated with Link 16	ACAD	2006	*	ACAD	2006					-	-
State the characteristics of Tactical Data Links	ACAD	2008	*	ACAD	2008					-	-
Define terms associated with Joint Range Extension Application Protocol (JREAP)	ACAD	2010	*	ACAD	2010					-	-
State the background characteristics of JREAP	ACAD	2012	*	ACAD	2012					-	-
Know the types and purpose of data filters	ACAD	2014	*	ACAD	2014					-	-
Explain the troubleshooting theory	ACAD	2016	*	ACAD	2016					-	-
Define the characteristics of Cooperative Engagement Capability (CEC)	ACAD	2018	*	ACAD	2018					-	-
Identify the characteristics, capabilities and limitations of the Communications Subsystem (CS)	ACAD	2020	*	ACAD	2020					-	-
Identify TAOC communication capabilities	ACAD	2022	*	ACAD	2022					-	-
Define TAOC radio terms	ACAD	2024	*	ACAD	2024					-	-
Identify the purpose of the positions that make up the Air Defense Command Structure	ACAD	2026	*	ACAD	2026					-	-
State the purpose and intent of Rules of Engagement (ROE)	ACAD	2028	*	ACAD	2028					-	-
Define Joint Theater Missile Defense	ACAD	2030	*	ACAD	2030					-	-
Describe aviation operational documents	ACAD	2034	*	ACAD	2034					-	-
Define characteristics of Aviation Ordnance	ACAD	2036	*	ACAD	2036					-	-
Define the characteristics of the Phased Array Tracking Intercept of Target (Patriot) system and how it integrates into an IADS	ACAD	2038	*	ACAD	2038					-	-
State the characteristics of Navy and USMC Aircraft	ACAD 1	2050	*	ACAD 1	2050					-	-
State the employment considerations for Navy and USMC Aircraft	ACAD 1	2052	*	ACAD 1	2052					-	-
Describe the capabilities of US Air-to-Air Weapons	ACAD 1	2054	*	ACAD 1	2054					-	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
	T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE		
Describe Air Defense terminology	ACAD 1	2056	*	ACAD 1	2056					-	-
Define the following words and concepts	ACAD 1	2058	*	ACAD 1	2058					-	-
Identify formations	ACAD 1	2060	*	ACAD 1	2060					-	-
Identify fighter maneuvers	ACAD 1	2062	*	ACAD 1	2062					-	-
Define communication calls	ACAD 1	2064	*	ACAD 1	2064					-	-
Define Air Intercept Control Communication Terms	ACAD 1	2066	*	ACAD 1	2066					-	-
State the capabilities and limitations of U.S. Air Force Aircraft	ACAD 2	2100	*	ACAD 2	2100					-	-
State the employment considerations for U.S. Air Force Aircraft	ACAD 2	2102	*	ACAD 2	2102					-	-
State the capabilities and limitations of Threat Aircraft	ACAD 2	2104	*	ACAD 2	2104					-	-
Define Threat Missile Terms	ACAD 2	2106	*	ACAD 2	2106					-	-
State the capabilities and limitations of threat missiles	ACAD 2	2108	*	ACAD 2	2108					-	-
State employment considerations for threat missiles	ACAD 2	2110	*	ACAD 2	2110					-	-
Define categories of threat missiles	ACAD 2	2112	*	ACAD 2	2112					-	-
Define fighter support concepts and their purpose	ACAD 2	2116	*	ACAD 2	2116					-	-
State the two types of fighter support concepts and their purpose	ACAD 2	2118	*	ACAD 2	2118					-	-
State the mission planning factors associated with defensive tactics	ACAD 2	2120	*	ACAD 2	2120					-	-
State timelines an FA-18 Hornet can be expected to employ	ACAD 2	2122	*	ACAD 2	2122					-	-
State the intercept geometries	ACAD 2	2124	*	ACAD 2	2124					-	-
State how targeting contracts differ based on Acceptable Levels of Risk (ALR)	ACAD 2	2126	*	ACAD 2	2126					-	-
State standard N/GTD targeting for a section of fighters	ACAD 2	2128	*	ACAD 2	2128					-	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics	ACAD 2	2130	*	ACAD 2	2130					-	-
State the delouse options available to Strike Fighter Aircrew	ACAD 2	2132	*	ACAD 2	2132					-	-
Describe when AIC actions will be taken with associated AIC terms	ACAD 2	2134	*	ACAD 2	2134					-	-
State the significance of the maneuvers	ACAD 2	2136	*	ACAD 2	2136					-	-
Brief local restricted areas	LFAM	2150	365	LFAM	2150	LFAM	2150	LFAM	2150	-	-
Develop RADAR coverage diagram	SD	2300	*	SD	2300	SD	2300			2150	-
Develop communication requirements for the surveillance section	SD	2302	1095	SD	2302	SD	2302	SD	2302	2020, 2022, 2024, 2150	-
Conduct EW planning	SD	2304	*	SD	2304					2036, 2150	-
Maximize organic RADAR performance	SD	2306	*	SD	2306	SD	2306			2000, 2150, 2300	-
Extract tactical interface data link planning requirements	SD	2308	*	SD	2308					2002, 2004, 2006, 2008, 2010, 2012, 2014, 2150	-
Conduct Composite Tracking Network employment planning	SD	2310	*	SD	2310					2150	-
Observe AIC functions for a section of fighter aircraft using N/GTD	AFAM	2500	*	AFAM	2500					2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-
Observe AIC functions for a section of fighter aircraft using DTD	AFAM	2502	*	AFAM	2502	AFAM	2502			2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Observe AIC functions for a section of fighter aircraft against unknown threat	AFAM	2504	*	AFAM	2504	AFAM	2504			2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	
Observe AIC functions for a division of fighter aircraft performing NTD	AFAM	2564	*	AFAM	2564					2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-
Observe AIC functions for a division of fighter aircraft performing DTD/FT	AFAM	2566	*	AFAM	2566					2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2500, 2502, 2504, 2564	-
Conduct threat analysis	WD	2600	*	WD	2600	WD	2600			2150	-
Conduct air defense planning	WD	2602	*	WD	2602	WD	2602			2150	
Conduct airspace management planning	WD	2604	*	WD	2604					2150	
Conduct deep air operations planning	WD	2606	*	WD	2606					2150, 2604	

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct mission planning	SAD	2700	*	SAD	2700	SAD	2700			2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		G
Conduct a site survey	SAD	2702	*	SAD	2702	SAD	2702			2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-



TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Prepare a plan for TAOC displacement operations	SAD	2704	*	SAD	2704					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Prepare a plan for Phasing Control Ashore	SAD	2706	*	SAD	2706					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		G
Create and supervise the conduct of a TAOC simulation	SAD	2708	*	SAD	2708					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-
Develop a plan for the employment of the TAOC	DETCO	2800	*	DETCO	2800					-	-
Use the Execution Status and Monitoring (ESTAT) tool	C2SYS	2910	*	C2SYS	2910					-	-
Set up and establish communications utilizing tactical chat	C2SYS	2940	*	C2SYS	2940					-	-
Operate Web Development Software (i.e. SharePoint)	C2SYS	2941	*	C2SYS	2941					-	-
Operate the Joint Range Extension Gateway	C2SYS	2943	*	C2SYS	2943					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the responsibilities for, planning, and operating procedures for the Multi-Link Interface	ACAD	3000	1460	ACAD	3000	ACAD	3000	ACAD	3000	-	-
Brief the Surveillance section	SD	3300	1095	SD	3300	SD	3300	SD	3300	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 3000	-
Perform as a SD	SD	3302	1095	SD	3302	SD	3302	SD	3302	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3300, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-
Brief the weapons section	WD	3600	1460	WD	3600	WD	3600	WD	3600	2150, 2600, 2602, 2604, 2606	-
Perform airspace management	WD	3602	*	WD	3602	WD	3602			2150, 2600, 2602, 2604, 2606, 3600	-
Manage aerial refueling	WD	3604	*	WD	3604					2150, 2600, 2602, 2604, 2606	-
Manage combat air patrol(s)	WD	3606	*	WD	3606					2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606	-
Coordinate deep air operations	WD	3608	*	WD	3608	WD	3608			2150, 2600, 2602, 2604, 2606, 3600, 3602	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform as WD	WD	3610	1460	WD	3610	WD	3610	WD	3610	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-
Direct emplacement of the TAOC	SAD	3700	*	SAD	3700					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Brief the TAOC crew	SAD	3702	*	SAD	3702					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7210												
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX												
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE			
Perform the duties of a SAD	SAD	3704	1460	SAD	3704	SAD	3704	SAD	3704	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-
Conduct tactical planning	DETCO	3800	*	DETCO	3800					-	-	
Provide a confirmation brief	DETCO	3802	1460	DETCO	3802	DETCO	3802	DETCO	3802	2800	-	
Deploy the TAOC	DETCO	3804	*	DETCO	3804					-	-	
Retrograde the TAOC	DETCO	3806	*	DETCO	3806					-	-	
CORE PLUS SKILL (4000 Phase)												
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING			
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE			
State the characteristics of and terms associated with Link 11B	ACAD	4000	*	ACAD	4000					-	-	
Plan for the emplacement of a Theater Missile Defense (TMD) site	SAD	4700	*	SAD	4700					-	-	

TAOC MOS 7210											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Plan for the employment of a Theater Missile Defense (TMD) site	SAD	4702	*	SAD	4702					-	-
Draft a Memorandum of Understanding (MOU)	DETCO	4800	*	DETCO	4800					-	-
Operate C2 Personal Computer (C2PC)	C2SYS	4921	*	C2SYS	4921					-	-
Operate Air Defense System Integrator (ADSI)	C2SYS	4942	*	C2SYS	4942					-	-

10.18 T&R SYLLABUS MATRIX

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
<b>CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)</b>																			
<b>AIR SCHOOL (AIRS)</b>																			
AIRS	1000	Explain the fundamentals of Aviation Command and Control (Air C2) employment	B	E	G	-	-	-	*		0	0		0		-	-	-	-
AIRS	1200	Identify characteristics of the Marine Air Command and Control System (MACCS)	B	E	G	-	-	-	*		0	0		0		-	-	-	-
AIRS	1202	Identify characteristics of the Marine Air Control System (MACS)	B	E	G	-	-	-	*		0	0		0		-	-	-	1000
AIRS	1204	Identify characteristics of Aircraft	B	E	G	-	-	-	*		0	0		0		-	-	-	-
AIRS	1206	Configure Tactical Air Operations Center (TAOC) platforms for operations	B	E	G	-	-	-	*		0	0		0		-	-	-	1010
AIRS	1208	Operate TAOC voice communications equipment	B	E	G	-	-	-	*		0	0		0		-	-	-	1020
AIRS	1210	Operate Command, Control, Communications, Computer and Intelligence (C4I) systems	B	E	G	-	-	-	*		0	0		0		-	-	-	1030
AIRS	1212	Perform surveillance functions	B	E	G	-	-	-	*		0	0		0		-	-	-	1040
AIRS	1214	Operate Link 11	B	E	G	-	-	-	*		0	0		0		-	-	-	1050
AIRS	1216	Operate Link 16	B	E	G	-	-	-	*		0	0		0		-	-	-	1070
AIRS	1218	Operate a Beyond Line of Site (BLOS) gateway	B	E	G	-	-	-	*		0	0		0		-	-	-	1080
AIRS	1220	Establish a workstation for Traffic functions	B	E	G	-	-	-	*		0	0		0		-	-	-	1100



TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					Type	#	OPT			#	TIME	#	TIME	#	TIME				
	CODE	TITLE			#	TIME	#			TIME	#	TIME	#	TIME	#				
AIRS	1222	Perform Airspace Management functions	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1224	Perform Deep Air Operations Management functions	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1226	Perform air defense weapons control management functions	B	E	G	-	-	-	*		0		0		0	-	-	-	1090
TOTAL AIR SCHOOL (AIRS) STAGE										15	0	0	0	0	0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
ACADEMICS (ACAD)																			
ACAD	2000	Define combat identification	B	E	G	-	-	-	*		2		0		0	-	-	-	2004
ACAD	2002	State the purpose of Interface Coordination	B	E	G	-	-	-	*		1		0		0	-	-	-	2005
ACAD	2004	Define terms associated with Link 11	B	E	G	-	-	-	*		2		0		0	-	-	-	2009
ACAD	2006	Define terms associated with Link 16	B	E	G	-	-	-	*		2		0		0	-	-	-	2008
ACAD	2008	State the characteristics of Tactical Data Links	B	E	G	-	-	-	*		2		0		0	-	-	-	2008, 2009
ACAD	2010	Define terms associated with Joint Range Extension Application Protocol (JREAP)	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD	2012	State the background characteristics of JREAP	B	E	G	-	-	-	*		2		0		0	-	-	-	2006
ACAD	2014	Know the types and purpose of data filters	B	E	G	-	-	-	*		1		0		0	-	-	-	2012
ACAD	2016	Explain the troubleshooting theory	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD	2018	Define the characteristics of Cooperative Engagement Capability (CEC)	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD	2020	Identify the characteristics, capabilities and limitations of the Communications Subsystem (CS)	B	E	G	-	-	-	*		1.5		0		0	-	-	-	-
ACAD	2022	Identify TAOC communication capabilities	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD	2024	Define TAOC radio terms	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD	2026	Identify the purpose of the positions that make up the Air Defense Command Structure	B	E	G	-	-	-	*		0.5		0		0	-	-	-	2022
ACAD	2028	State the purpose and intent of Rules of Engagement (ROE)	B	E	G	-	-	-	*		2		0		0	-	-	-	2046
ACAD	2030	Define Joint Theater Missile Defense	B	E	G	-	-	-	*		1		0		0	-	-	-	2021
ACAD	2034	Describe aviation operational documents	B	E	G	-	-	-	*		1		0		0	-	-	-	2011, 2023

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					Type	#	OPT			#	TIME	#	TIME	#	TIME				
	CODE	TITLE			#	TIME	#			TIME	#	TIME	#	TIME	#				
ACAD	2036	Define characteristics of Aviation Ordnance	B	E	G	-	-	-	*		1		0		0	-	-	-	2024
ACAD	2038	Define the characteristics of the Phased Array Tracking Intercept of Target (Patriot) system and how it integrates into an IADS	B	E	G	-	-	-	*		2		0		0	-	-	-	-
TOTAL ACADEMICS (ACAD) STAGE										19	27	0	0	0	0				
ACADEMICS 1 (ACAD1)																			
ACAD 1	2050	State the characteristics of Navy and USMC Aircraft	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 1	2052	State the employment considerations for Navy and USMC Aircraft	B	E	G	-	-	-	*		1.5		0		0	-	-	-	-
ACAD 1	2054	Describe the capabilities of US Air-to-Air Weapons	B	E	G	-	-	-	*		1.5		0		0	-	-	-	-
ACAD 1	2056	Describe Air Defense terminology	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD 1	2058	Define the following words and concepts	B	E	G	-	-	-	*		4		0		0	-	-	-	-
ACAD 1	2060	Identify formations	B	E	G	-	-	-	*		4		0		0	-	-	-	-
ACAD 1	2062	Identify fighter maneuvers	B	E	G	-	-	-	*		4		0		0	-	-	-	-
ACAD 1	2064	Define communication calls	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD 1	2066	Define Air Intercept Control Communication Terms	B	E	G	-	-	-	*		2		0		0	-	-	-	2025
TOTAL ACADEMICS 1 (ACAD1) STAGE										9	22	0	0	0	0				
ACADEMICS 2 (ACAD2)																			
ACAD 2	2100	State the capabilities and limitations of U.S. Air Force Aircraft	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2102	State the employment considerations for U.S. Air Force Aircraft	B	E	G	-	-	-	*		1.5		0		0	-	-	-	-
ACAD 2	2104	State the capabilities and limitations of Threat Aircraft	B	E	G	-	-	-	*		3		0		0	-	-	-	-
ACAD 2	2106	Define Threat Missile Terms	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2108	State the capabilities and limitations of threat missiles	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2110	State employment considerations for threat missiles	B	E	G	-	-	-	*		1		0		0	-	-	-	-

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
	CODE	TITLE			#	TIME	#			TIME	#	TIME	#	TIME	#				
ACAD 2	2112	Define categories of threat missiles	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2116	Define fighter support concepts and their purpose	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2118	State the two types of fighter support concepts and their purpose	B	E	G	-	-	-	*		0.5		0		0	-	-	-	-
ACAD 2	2120	State the mission planning factors associated with defensive tactics	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2122	State timelines an FA-18 Hornet can be expected to employ	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD 2	2124	State the intercept geometries	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2126	State how targeting contracts differ based on Acceptable Levels of Risk (ALR)	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2128	State standard N/GTD targeting for a section of fighters	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD 2	2130	State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2132	State the delouse options available to Strike Fighter Aircrew	B	E	G	-	-	-	*		1		0		0	-	-	-	-
ACAD 2	2134	Describe when AIC actions will be taken with associated AIC terms	B	E	G	-	-	-	*		2		0		0	-	-	-	-
ACAD 2	2136	State the significance of the maneuvers	B	E	G	-	-	-	*		1		0		0	-	-	-	-
TOTAL ACADEMICS 2 (ACAD2) STAGE										18	23	0	0	0	0				
LOCAL AREA FAMILIARIZATION (LFAM)																			
LFAM	2150	Brief local restricted areas	B,R,M	-	L	-	-	-	-	365		0		0		5	-	-	-
TOTAL LOCAL AREA FAMILIARIZATION (LFAM) STAGE										0	0	0	0	1	5				
SURVEILLANCE DIRECTOR (SD) STAGE																			
SD	2300	Develop RADAR coverage diagram	B,R	-	L	-	-	-	*		0		0		8	2150	-	-	2100
SD	2302	Develop communication requirements for the surveillance section	B,R,M	-	L	-	-	-	1095		0		0		8	2020, 2022, 2024, 2150	-	-	-
SD	2304	Conduct EW planning	B	-	L/S	-	-	-	*		0		0		8	2036, 2150	-	-	-
SD	2306	Maximize organic RADAR performance	B,R	-	L/S	-	-	-	*		0		0		2	2000, 2150, 2300	-	-	2102

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SD	2308	Extract tactical interface data link planning requirements	B	-	S/L	-	-	-	*		0		3		0	2002, 2004, 2006, 2008, 2010, 2012, 2014, 2150	-	-	-
SD	2310	Conduct Composite Tracking Network employment planning	B	-	S/L	-	-	-	*		0		3		0	2150	-	-	-
TOTAL SURVEILLANCE DIRECTOR (SD) STAGE										0	0	2	6	4	26				
AIR INTERCEPT FAMILIARIZATION (AFAM) STAGE																			
AFAM	2500	Observe AIC functions for a section of fighter aircraft using N/GTD	B	-	S	-	-	-	*		0		3		0	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-	-	2402, 4000
AFAM	2502	Observe AIC functions for a section of fighter aircraft using DTD	B,R	-	S	-	-	-	*		0		3		0	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-	-	2402, 2404, 4100
AFAM	2504	Observe AIC functions for a section of fighter aircraft against unknown threat	B,R	-	S	-	-	-	*		0		3		0	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136			2404
AFAM	2564	Observe AIC functions for a division of fighter aircraft performing NTD	B	-	S	-	-	-	*		0		3		0	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136	-	-	2403, 4101

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
AFAM	2566	Observe AIC functions for a division of fighter aircraft performing DTD/FT	B	-	S	-	-	-	*	0		3		0		2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2500, 2502, 2504, 2564	-	-	2403, 4105
TOTAL AIR INTERCEPT FAMILIARIZATION (AFAM) STAGE										0	0	5	15	0	0				
WEAPONS DIRECTOR (WD) STAGE																			
WD	2600	Conduct threat analysis	B,R	-	S/L	-	-	-	*	0		8		0		2150	-	-	2100
WD	2602	Conduct air defense planning	B,R	-	L	-	-	-	*	0		0		8		2150	-	-	2300
WD	2604	Conduct airspace management planning	B	-	L	-	-	-	*	0		0		8		2150	-	-	2222
WD	2606	Conduct deep air operations planning	B	-	L	-	-	-	*	0		0		8		2150, 2604	-	-	4200
TOTAL WEAPONS DIRECTOR (WD) STAGE										0	0	1	8	3	24				

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SENIOR AIR DIRECTOR (SAD) STAGE																			
SAD	2700	Conduct mission planning	B,R	-	L	-	-	-	*	0	0	0	0	8	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	2400	

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	2702	Conduct a site survey	B,R	-	L	-	-	-	*	0		0		2		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	2401

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	2704	Prepare a plan for TAOC displacement operations	B	-	S/L	-	-	-	*	0		1.5		0		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-



TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	2706	Prepare a plan for Phasing Control Ashore	B	-	S/L	-	-	-	*	0		1		0		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	2708	Create and supervise the conduct of a TAOC simulation	B	-	S	-	-	-	*	0		80		0		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-
TOTAL SENIOR AIR DIRECTOR (SAD) STAGE										0	0	3	82.5	2	10				
DETACHMENT COMMANDER (DETCO) STAGE																			
DETCO	2800	Develop a plan for the employment of the TAOC	B	E	L	-	-	-	*	0		0		16		-	-	-	
TOTAL DETACHMENT COMMANDER (DETCO) STAGE										0	0	0	0	1	16				
COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE																			
C2SYS	2910	Use the Execution Status and Monitoring (ESTAT) tool	B	-	L	-	-	-	*	0		0		2		-	-	2910	
C2SYS	2940	Set up and establish communications utilizing tactical chat	B	-	L	-	-	-	*	0		0		1		-	-	2940	
C2SYS	2941	Operate Web Development Software (i.e. SharePoint)	B	-	L	-	-	-	*	0		0		4		-	-	2941	
C2SYS	2943	Operate the Joint Range Extension Gateway	B	-	L	-	-	-	*	0		0		3		-	-	-	
TOTAL COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE										0	0	0	0	4	10				

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
	CODE	TITLE																	
TOTAL CORE SKILL PHASE (2000 PHASE)									27	45	11	111.5	15	91					
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
ACADEMICS (ACAD)																			
ACAD	3000	State the responsibilities for, planning, and operating procedures for the Multi-Link Interface	B,R,M	E	G	-	-	-	1460		6		0		0	-	-	-	-
TOTAL ACADEMICS (ACAD) STAGE									1	6	0	0	0	0					
SURVEILLANCE DIRECTOR (SD) STAGE																			
SD	3300	Brief the Surveillance section	B,R,M	-	L	-	-	-	1095		0		0		8	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 3000	-	-	2106
SD	3302	Perform as a SD	B,R,M	E	L	-	-	-	1095		0		0		12	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3300, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	3100
TOTAL SURVEILLANCE DIRECTOR (SD) STAGE									0	0	0	0	2	20					
WEAPONS DIRECTOR (WD) STAGE																			
WD	3600	Brief the weapons section	B,R,M	-	L	-	-	-	1460		0		0		8	2150, 2600, 2602, 2604, 2606	-	-	-
WD	3602	Perform airspace management	B,R	-	L/S	-	-	-	*		0		0		8	2150, 2600, 2602, 2604, 2606, 3600	-	-	3200
WD	3604	Manage aerial refueling	B	-	L/S	-	-	-	*		0		0		8	2150, 2600, 2602, 2604, 2606	-	-	3200

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
WD	3606	Manage combat air patrol(s)	B	-	L/S	-	-	-	*		0		0		8	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606	-	-	-
WD	3608	Coordinate deep air operations	B,R	-	L/S	-	-	-	*		0		0		8	2150, 2600, 2602, 2604, 2606, 3600, 3602	-	-	4201
WD	3610	Perform as WD	B,R,M	E	L/S	-	-	-	1460		0		0		8	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-
TOTALWEAPONS DIRECTOR (WD) STAGE										0	0	0	0	6	48				

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SENIOR AIR DIRECTOR (SAD) STAGE																			
SAD	3700	Direct emplacement of the TAOC	B	-	L	-	-	-	*	0		0		8	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-	

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	3702	Brief the TAOC crew	B	-	L	-	-	-	*	0		0		8		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	3400

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SAD	3704	Perform the duties of a SAD	B,R,M	E	L	-	-	-	1460	0	0	0	0	24		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 6275, 6276, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	3400
TOTAL SENIOR AIR DIRECTOR (SAD) STAGE										0	0	0	0	3	24				
DETACHMENT COMMANDER (DETCO) STAGE																			
DETCO	3800	Conduct tactical planning	B	E	L	-	-	-	*	0	0	0	0	16	-	-	-	-	
DETCO	3802	Provide a confirmation brief	B,R,M	-	L	-	-	-	1460	0	0	0	0	16	2800	-	-	-	
DETCO	3804	Deploy the TAOC	B	-	L	-	-	-	*	0	0	0	8	-	-	-	-		
DETCO	3806	Retrograde the TAOC	B	-	L	-	-	-	*	0	0	0	8	-	-	-	-		
TOTAL DETACHMENT COMMANDER (DETCO) STAGE										0	0	0	0	2	48				
TOTAL MISSION SKILL PHASE (3000 PHASE)										1	6	0	0	13	140				
CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
ACADEMICS (ACAD) STAGE																			
ACAD	4000	State the characteristics of and terms associated with Link 11B	B	-	L	-	-	-	*	2	0	0	0	-	-	-	2010		
TOTAL ACADEMICS (ACAD) STAGE										1	2	0	0	0	0				

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
<b>SENIOR AIR DIRECTOR (SAD) STAGE</b>																			
SAD	4700	Plan for the emplacement of a Theater Missile Defense (TMD) site	B	-	L	-	-	-	*	0	0	0	0	3	-	-	-	-	-
SAD	4702	Plan for the employment of a Theater Missile Defense (TMD) site	B	-	L	-	-	-	*	0	0	0	0	3	-	-	-	-	2105
<b>TOTAL SENIOR AIR DIRECTOR (SAD) STAGE</b>										0	0	0	0	2	6				
<b>DETACHMENT COMMANDER (DETCO) STAGE</b>																			
DETCO	4800	Draft a Memorandum of Understanding (MOU)	B	-	L/S	-	-	-	*	0	0	0	0	4	-	-	-	-	-
<b>TOTAL DETACHMENT COMMANDER (DETCO) STAGE</b>										0	0	0	0	1	4				
<b>COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE</b>																			
C2SYS	4921	Operate C2 Personal Computer (C2PC)	B	-	L	-	-	-	*	0	0	0	0	4	-	-	-	-	-
C2SYS	4942	Operate Air Defense System Integrator (ADSI)	B	-	L	-	-	-	*	0	0	0	0	4	-	-	-	-	-
<b>TOTAL COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE</b>										0	0	0	0	2	8				
<b>TOTAL CORE PLUS SKILL PHASE (4000 PHASE)</b>										1	2	0	0	5	18				
<b>TOTAL 2000, 3000, AND 4000 PHASE</b>										29	53	11	111.5	33	249				
<b>INSTRUCTOR TRAINING (5000 PHASE EVENTS)</b>																			
<b>INSTRUCTOR UNDER TRAINING (IUT)</b>																			
<b>BASIC INSTRUCTOR (BI)</b>																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	0	2	Recommended by SI or WTI	-	-	-	5000
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	0	1	Recommended by SI or WTI	-	-	-	5010
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	0	2	Recommended by SI or WTI	-	-	-	5020
<b>TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)</b>										0	0	0	0	3	5				
<b>SENIOR INSTRUCTOR (SI)</b>																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	5100
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	5110
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	5120
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365	0	0	0	0	2	5000, 5010, 5020, 6320	-	-	-	5130
<b>TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)</b>										0	0	0	0	4	8				
<b>TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)</b>										0	0	0	0	7	13				
<b>REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)</b>																			
<b>LICENSE TRACKING CODES (LIC)</b>																			
CERT	6175	Certified in Local Area Fam	B,R,M	E	L	-	-	L	365	0	0	0	0	0.5	2150	-	-	-	-
<b>TOTAL LICENSE TRACKING CODES (LIC)</b>										0	0	0	0	1	0.5				



TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
QUALIFICATIONS (QUAL)																			
QUAL	6275	Qualify as Surveillance Director (SD)	B	-	L	-	-	L	*	0	0	0	0	0.5	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2036, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2940, 2941, 2943, 3000, 3300, 3302, 6175, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044	-	-	6100	
QUAL	6276	Qualify as Weapons Director (WD)	B	-	L	-	-	L	*	0	0	0	0	0.5	2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2910, 2940, 2941, 3600, 3602, 3604, 3606, 3608, 3610, 6175, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-	

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
QUAL	6277	Qualify as a Senior Air Director (SAD)	B	-	L	-	-	L	*	0		0		0.5					
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	3	1.5				
DESIGNATIONS (DESG)																			
DESG	6320	Designation as Basic Instructor (BI)	B	-	L	-	-	L	*	0		0		0.5	5000, 5010, 5020			6240	
DESG	6321	Designation as Senior Instructor (SI)	B	-	L	-	-	L	*	0		0		0.5	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320			6241	
DESG	6322	Designation as Weapons and Tactics Instructor (WTI)	B	-	L	-	-	L	*	0		0		0.5	6000			6242	

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
DESG	6330	Designation as a Detachment Commander (DETCO)	B	-	L	-	-	L	*	0	0	0	0	0.5	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2020, 2022, 2024, 2026, 2028, 2034, 2036, 2038, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2300, 2302, 2304, 2306, 2308, 2310, 2500, 2502, 2504, 2564, 2566, 2600, 2602, 2604, 2606, 2700, 2702, 2704, 2706, 2708, 2800, 2940, 2941, 2943, 3000, 3300, 3302, 3600, 3602, 3604, 3606, 3608, 3610, 3700, 3702, 3704, 3800, 3802, 3804, 3806, 6175, 6275, 6276, 6277, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088				
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	7	2				
SCHOOL CODES (SCHL)																			
SCHL	6000	Weapons and Tactics Instructor (WTI)	B	-	G	-	-	-	*	0	0	0	0	-	-	-	-		
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	-	*	0	0	0	0	-	-	-	-		
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	-	*	0	0	0	0	-	-	-	-		

TAOC MOS 7210 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPT			#	TIME	#	TIME	#	TIME				
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	-	*		0		0		0	-	-	-	-
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	-	*		0		0		0	-	-	-	-
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	-	*		0		0		0	-	-	-	-
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	-	*		0		0		0	-	-	-	-
SCHL	6026	Joint Interface Control Officer (JICO) (JT-301)	B	-	G	-	-	-	*		0		0		0	-	-	-	-
SCHL	6069	USMC AIC Top Gun Ground School	B	-	G	-	-	-	*		0		0		0	-	-	-	-
TOTAL SCHOOL CODES STAGE (SCHL)										8	0	0	0	0	0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										8	0	0	0	11	4				

- 10.19 ADDITIONAL MATRIX (ORDNANCE/RANGES). None
- 10.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None
- 10.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/nwc3/default.aspx>
- 10.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None

CHAPTER 11

TACTICAL AIR DEFENSE CONTROLLER (MOS 7236)/INDIVIDUAL TRAINING AND READINESS  
REQUIREMENTS

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<b>TAOC MOS 7236</b>	
<b>CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS</b>	
AC	ASSISTANT CONTROLLER
SO	SURVEILLANCE OPERATOR
TATC	TACTICAL AIR TRAFFIC CONTROLLER
DLC	DATA LINK COORDINATOR
AIC	AIR INTERCEPT CONTROLLER
DAC	DEEP AIR CONTROLLER
MC	MISSILE CONTROLLER
CC	CREW CHIEF
DCHF	DETACHMENT CHIEF
C2SYS	COMMAND AND CONTROL SYSTEMS
<b>MISSION SKILL (3000 Phase)</b>	
ACAD	ACADEMICS
AC	ASSISTANT CONTROLLER
SO	SURVEILLANCE OPERATOR
TATC	TACTICAL AIR TRAFFIC CONTROLLER
DLC	DATA LINK COORDINATOR
AIC	AIR INTERCEPT CONTROLLER
DAC	DEEP AIR CONTROLLER
MC	MISSILE CONTROLLER
CC	CREW CHIEF
DCHF	DETACHMENT CHIEF
C2SYS	COMMAND AND CONTROL SYSTEMS
<b>CORE PLUS SKILL (4000 Phase)</b>	
DLC	DATA LINK COORDINATOR
C2SYS	COMMAND AND CONTROL SYSTEMS
<b>INSTRUCTOR (5000 Phase)</b>	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
AICI	AIR INTERCEPT CONTROL INSTRUCTOR
SFTI	STRIKE FIGHTER TACTICS INSTRUCTOR
MDTI	MARINE DIVISION TACTICS INSTRUCTOR
<b>CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)</b>	
AC	ASSISTANT CONTROLLER
SO	SURVEILLANCE OPERATOR
TATC	TACTICAL AIR TRAFFIC CONTROLLER
DLC	DATA LINK COORDINATOR
AIC	AIR INTERCEPT CONTROLLER
DAC	DEEP AIR CONTROLLER
MC	MISSILE CONTROLLER
CC	CREW CHIEF
DCHF	DETACHMENT CHIEF
<b>MISSION ESSENTIAL TASK (MET) (7000 Phase)</b>	
COND	CONDITION

11.3 DEFINITIONS

TERM	DEFINITION
<b>Core Model</b>	The Core Model is the basic foundation or standardized format by which all T&Rs are constructed. The Core Model provides the capability of quantifying both unit and individual training requirements and measuring readiness. This is accomplished by linking community Mission Statements, Mission Essential Task Lists, Output Standards, Core Skill Proficiency Requirements and Combat Leadership Matrices.
<b>Core Skill</b>	Fundamental, environmental, or conditional capabilities required to perform basic functions. These basic functions serve as tactical enablers that allow crews to progress to the more complex Mission Skills. Primarily 2000 Phase events but may be introduced in the 1000 Phase.
<b>Mission Skill</b>	Mission Skills enable a unit to execute a specific MET. They are comprised of advanced event (s) that are focused on MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness developed during Core Skill training. 3000 Phase events.

TERM	DEFINITION
<b>Core Plus Skill</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They may be fundamental, environmental, or conditional capabilities required to perform basic functions. 4000 Phase events.
<b>Core Plus Mission</b>	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
<b>Core Skill Proficiency (CSP)</b>	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
<b>Mission Skill Proficiency (MSP)</b>	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
<b>Core Plus Skill Proficiency (CPSP)</b>	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP.
<b>Core Plus Mission Proficiency (CPMP)</b>	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP.
<b>MET Phase</b>	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

#### 11.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

11.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.

11.4.2 Individual CSP is a "Yes/No" status assigned to an individual by Core Skill. When an individual attains and maintains CSP in a Core Skill, the individual counts towards CMMR Unit CSP requirements for that Core Skill.

11.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.

11.4.4 Once proficiency has been attained by Core/Mission/Core Plus Skill (by any POI assignment) then the individual maintains proficiency by executing those events noted in the maintain table and in the "Maintain POI" column of the T&R syllabus matrix. An individual maintains proficiency by individual Core/Mission/Core Plus Skill.

**\*Note\***

Individuals may be attaining proficiency in some Core/Mission/Core Plus Skills while maintaining proficiency in other Core/Mission/Core Plus Skills.

11.4.5 Once proficiency has been attained, should one lose proficiency in an event in the "Maintain POI" column, proficiency can be re-attained by demonstrating proficiency in the delinquent event. Should an individual lose proficiency in all events in the "Maintain POI" column by Core/Mission/Core Plus Skill, the individual will be assigned to the Refresher POI for that Skill. To regain proficiency for that Core/Mission/Core Plus Skill the individual must demonstrate proficiency in all R-coded events for that Skill.

**\*Note\***

See Chapter 2 for amplifying information on POI updating.

TAOC MOS 7236					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
ACAD	2000				
ACAD	2002				
ACAD	2004				
ACAD	2006				
ACAD	2008				
ACAD	2010				
ACAD	2012				
ACAD	2014				
ACAD	2016				
ACAD	2018				
ACAD	2020				
ACAD	2022				
ACAD	2024				
ACAD	2026				
ACAD	2028				
ACAD	2030				
ACAD	2034				
ACAD	2036				
ACAD	2038				
ACAD 1	2050				
ACAD 1	2052				
ACAD 1	2054				
ACAD 1	2056				
ACAD 1	2058				
ACAD 1	2060				
ACAD 1	2062				
ACAD 1	2064				
ACAD 1	2066				
ACAD 2	2100				
ACAD 2	2102				
ACAD 2	2104				
ACAD 2	2106				
ACAD 2	2108				
ACAD 2	2110				
ACAD 2	2112				
ACAD 2	2116				
ACAD 2	2118				
ACAD 2	2120				
ACAD 2	2122				
ACAD 2	2124				
ACAD 2	2126				
ACAD 2	2128				
ACAD 2	2130				
ACAD 2	2132				
ACAD 2	2134				
ACAD 2	2136				
LFAM	2150R	LFAM	2150R	LFAM	2150R
EQUIP	2160				
EQUIP	2162				
EQUIP	2164				
AC	S2200				
AC	2202				
AC	S2204				
AC	2206				
AC	S2208				
AC	S2210				
AC	S2212				

TAOC MOS 7236					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
SO	2300				
SO	2302				
SO	2304				
TATC	S2350				
TATC	2352				
TATC	2354				
DLC	2400				
DLC	2402R	DLC	2402R	DLC	2402R
DLC	2404R	DLC	2404R	DLC	2404R
DLC	2406R	DLC	2406R	DLC	2406R
DLC	2408R	DLC	2408R	DLC	2408R
DLC	2410R	DLC	2410R	DLC	2410R
DLC	S2412R	DLC	S2412R	DLC	S2412R
DLC	S2414R	DLC	S2414R	DLC	S2414R
DLC	S2416R	DLC	S2416R	DLC	S2416R
DLC	S2418R	DLC	S2418R	DLC	S2418R
DLC	S2420R	DLC	S2420R	DLC	S2420R
DLC	2422				
AIC1	S2500				
AIC1	S2502R	AIC1	S2502R		
AIC1	2504R	AIC1	2504R	AIC1	2504R
AIC2	2550R	AIC2	2550R		
AIC2	2552R	AIC2	2552R		
AIC2	S2554R	AIC2	S2554R		
AIC2	S2556R	AIC2	S2556R		
AIC2	S2558R	AIC2	S2558R		
AIC2	S2560R	AIC2	S2560R		
AIC2	S2562				
AIC2	S2564				
AIC2	S2566				
AIC2	2568				
AIC2	2570				
DAC	2600				
MC	S2650				
MC	2652				
CC	2700				
CC	S2702				
CC	2704				
CC	2706R	CC	2706R	CC	2706R
CC	2708				
CC	S2710				
CC	S2712				
DCHF	2800				
DCHF	2802				
C2SYS	2910R	C2SYS	2910R		
C2SYS	2940R	C2SYS	2940R		
C2SYS	2941R	C2SYS	2941R		
C2SYS	2943R	C2SYS	2943R		
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	3000				
ACAD	3006R	ACAD	3006R	ACAD	3006R
ACAD	3012				
ACAD	3014				
AC	3200				
AC	3202				
AC	3204				
AC	3206R	AC	3206R	AC	3206R

TAOC MOS 7236					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
SO	3300R	SO	3300R		
SO	3302R	SO	3302R		
SO	3304R	SO	3304R		
SO	3306R	SO	3306R	SO	3306R
TATC	3350R	TATC	3350R	TATC	3350R
DLC	3400				
DLC	3402R	DLC	3402R	DLC	3402R
AIC3	3500R	AIC3	3500R		
AIC3	3502R	AIC3	3502R		
AIC3	3504R	AIC3	3504R	AIC3	3504R
DAC	S3600R	DAC	S3600R	DAC	S3600R
MC	S3650R	MC	S3650R	MC	S3650R
MC	S3652R	MC	S3652R	MC	S3652R
CC	3700R	CC	3700R		
CC	3702				
CC	3704R	CC	3704R	CC	3704R
DCHF	S3800R	DCHF	S3800R	DCHF	S3800R
CORE PLUS SKILL (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
DLC	4400				
DLC	4402				
C2SYS	4921R	C2SYS	4921R		
C2SYS	4942R	C2SYS	4942R		
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

11.5 REQUIREMENT, CERTIFICATION, QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events required to be completed to attain proficiency for select certifications, qualifications and designations. In addition to event requirements, all required stage lectures, briefs, squadron training, prerequisites, and other criteria shall be completed prior to completing final events. Certification, qualification and designation letters signed by the commanding officer shall be placed in training Performance Records and NATOPS. See Chapter 6 of the Aviation T&R Program Manual on regaining lost qualifications.

11.5.1 INSTRUCTOR DESIGNATIONS

TAOC MOS 7236	
INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320
WEAPONS AND TACTICS INSTRUCTOR (WTI)	6000
AIR INTERCEPT CONTROLLER INSTRUCTOR (AICI)	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

TAOC MOS 7236 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
STRIKE FIGHTER TACTICS INSTRUCTOR (SFTI)	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6078, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
MARINE DIVISION TACTICS INSTRUCTOR (MDTI)	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6006, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

11.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MOS 7236 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualify as an Assistant Controller (AC) (QUAL 6250)	2008, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
Qualify as a Tactical Air Traffic Controller (TATC) (QUAL 6251)	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
Qualify as a Deep Air Controller (DAC) (QUAL 6252)	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
Qualify as an Air Intercept Controller (AIC) (QUAL 6253)	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
Qualify as a Missile Controller (MC) (QUAL 6254)	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 3650, 3652, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
Qualify as Data Link Coordinator (DLC) (QUAL 6255)	2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 2943, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 3400, 3402, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088
Qualify as a Surveillance Operator (SO) (QUAL 6256)	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

<b>TAOC MOS 7236</b>	
<b>REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)</b>	
<b>RCQD</b>	<b>EVENTS</b>
Qualify as a Crew Chief (CC) (QUAL 6257)	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3700, 3702, 3704, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067
Certified in Local Area Fam (CERT 6275)	2150
Designation as a Detachment Chief (DCHF) (DESG 6326)	2800, 2802, 3800

11.6 7236 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

11.6.1 Basic POI

<b>TAOC MOS 7236</b>		
<b>BASIC POI</b>		
<b>WEEKS<sup>1</sup></b>	<b>PHASE OF INSTRUCTION</b>	<b>UNIT RESPONSIBLE</b>
0-12	CORE SKILL INTRODUCTION TRAINING	MCCES
13-104	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON

11.6.2 Refresher POI

<b>TAOC MOS 7236</b>		
<b>REFRESHER POI</b>		
<b>WEEKS<sup>1</sup></b>	<b>PHASE OF INSTRUCTION</b>	<b>UNIT RESPONSIBLE</b>
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

NOTE 1: TRAINING DURATIONS VARIES BY POSITION BEING TRAINED. SEE PROGRESSION MODEL FOR NOTIONAL TRAINING TIMES.

11.7 SYLLABUS NOTES

11.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness, must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness, must be unaided
(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

11.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.
CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note - If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

11.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CP by initial POI assignment are re-assigned to the M POI to maintain proficiency.

11.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or



EVENT TERMS	
TERM	DESCRIPTION
	maneuver with coaching as necessary. The student is responsible for knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

11.8 ACADEMIC PHASE (0000)

11.8.1 Purpose. **RESERVED FOR FUTURE USE**

11.8.2 General

11.8.2.1 Admin Notes.

11.8.2.2 Prerequisites.

11.8.2.3 Stages.

11.9 CORE SKILL INTRODUCTION PHASE (1000)

11.9.1 Purpose. To provide entry-level instruction to develop the basic skills necessary for an enlisted Marine to meet the requirements to be assigned MOS 7236, Tactical Air Defense Controller. This training includes TAOC operations within the Marine Air Command and Control System (MACCS), operation of the Tactical Air Operations Module (TAOM), Air Defense Communications Platform (ADCP), and Theater Battle Management Core Systems (TBMCS) with emphasis on duties as a Surveillance Operator (SO) and Data Link Coordination (DLC), Assistant Controller (AC), and Tactical Air Traffic Controller (TATC). Upon graduation from the Air Control Electronics Course (ACEOC), the Marine is designated MOS 7236.

11.9.2 General

11.9.2.1 Admin Notes. Air Control Electronics Operator Course (ACEOC) (CID M0972P1) is located at Marine Corps Communication-Electronics School (MCCES) in 29 Palms, CA.

11.9.2.2 Prerequisite. Meet the requirements delineated in the MCO 1200.17 (MOS Manual).

11.9.2.3 Stage. The following stage is included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
11.9.3	AIR SCHOOL (AIRS)

11.9.3 AIR SCHOOL (AIRS)

11.9.3.1 Purpose. To teach the Marine in the required skills to perform as a basic Tactical Air Defense Controller, MOS 7236.

10.9.3.2 General

Admin Notes. All exams will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None.

AIRS-1200                      \*                      B    E    G

Goal. Identify characteristics of the Marine Air Command and Control System (MACCS)

Requirement. Identify the following:

1. Identify the six functions of Marine Aviation.
2. Identify characteristics of organizations in the Marine Air Wing (MAW).
3. Identify characteristics of units in the Marine Air Control Group (MACG).
4. Identify characteristics of agencies in the Marine Air Command and Control System (MACCS).
5. Identify characteristics of U. S. ground-based air defense platforms.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2, Aviation Operations
2. MCWP 3-22, Antiair Warfare
3. MCWP 3-25, Control of Aircraft and Missiles
4. MCWP 3-25.10, Low Altitude Air Defense Handbook
5. MCWP 3-25.3, Marine Air Command and Control System Handbook
6. MCWP 3-25.4, Tactical Air Command Center Handbook
7. MCWP 3-25.5, Direct Air Support Center Handbook
8. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
9. MCWP 3-25.8, Marine Air Traffic Control Detachment Handbook

AIRS-1202                      \*                      B    E    G

Goal. Identify characteristics of the Marine Air Control Squadron (MACS)

Requirement. Identify the following:

1. Identify characteristics of the Marine Air Control Squadron (MACS).
2. Identify characteristics of the TAOC cellular framework.
3. Identify characteristics of agencies in the Theater Air Ground System

(TAGS).

4. Identify characteristics of Integrated Air Defense Systems (IADS).
5. Identify characteristics of U. S. ground-based air defense platforms.
6. Identify characteristics of threat air defense systems.
7. Identify characteristics of the Aviation T&R program in the TAOC.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25D Multiservice Procedures for Integrated Combat Airspace Command and Control
2. MCRP 3-25E Multiservice Procedures for Joint Integrated Air Defense System
3. MCWP 3-2, Aviation Operations
4. MCWP 3-22, Antiair Warfare
5. MCWP 3-25, Control of Aircraft and Missiles
6. MCWP 3-25.3, Marine Air Command and Control System Handbook
7. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
8. TM 08565A-CD-1, TAOM System Manual
9. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1204                   \*           B   E   G

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Goal. Identify characteristics of Aircraft

Requirement. Identify the following:

1. Identify characteristics of U.S. Aircraft
2. Identify characteristics of U. S. aviation ordnance.
3. Identify characteristics of threat aircraft.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
2. TOPGUN MANUAL, Volumes I and II

AIRS-1206 \* B E C2 System G

Goal. Configure Tactical Air Operations Center (TAOC) platforms for operations

Requirement. Given required TAOC equipment and materials, complete the following:

1. Identify the proper procedures for handling classified material.
2. Identify characteristics of TAOC equipment.
3. Initialize a workstation.
4. Set TAOC operational parameters from source documents.
5. Enter map/overlay information from source documents.
6. Enter radar information.
7. Operate recording equipment.
8. Conduct planning for TAOC employment (7210 only).

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FM 21-26, Map Reading and Land Navigation
2. MCRP 5-12A, Operational Terms and Symbols
3. TM 08565A-CD-1, TAOM System Manual
4. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1208 \* B E C2 System G

Goal. Operate TAOC voice communications equipment

Requirement. Given an operational C2 System and required materials, complete the following:

1. Operate internal communications using source documents (e.g. ACEOI).
2. Set-up work station for radio communications with a distant station.
3. Communicate via voice with a distant station.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08565A-CD-1, TAOM System Manual
2. U-TAOC-PCL-03862, Pocket Checklist
3. MCRP 3-40.3C, Antenna Handbook

AIRS-1210                   \*           B   E           C4I Systems G

Goal. Operate Command, Control, Communications, Computer and Intelligence (C4I) systems

Requirement. Given required C4I systems, operate the following:

1. Generate TBMCS information through web remote.
2. Operate Chat.
3. Operate Falconview.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CCS-TRTBM-A017-AATSU, Theater Battle Management Core System, Vol I
2. CCS-TRTBM-A017-COP-1, Theater Battle Management Core System, Vol II

AIRS-1212                   \*           B   E           C2 System G

Goal. Perform surveillance functions

Requirement. Given an operational C2 System, complete the following:

1. Identify characteristics of the TAOC Surveillance section.
2. Identify TAOC radar capabilities.
3. Identify characteristics of documents required for surveillance functions.
4. Identify key elements of the ATO/SPINS for TAOC operations.
5. Identify characteristics of airspace.
6. Identify doctrinal nets used by the Surveillance section.
7. Set-up a work station for surveillance operations.
8. Classify track data using source documents.
9. Maintain accurate symbology.
10. Perform manual cross-tell.
11. Complete surveillance reports.
12. Identify characteristics of sensor and data registration (7210 only).

13. Plan a multi-TDL architecture plan (7210 only).
14. Perform Electronic Warfare (EW) functions (7210 only).
15. Conduct mission planning for surveillance operations (7210 only).
16. Conduct a surveillance brief (7210 only).

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, Joint Doctrine for Airspace Control in a Combat Zone
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, Multi-Service Air-Air, Air-Surface, Surface-Air, Brevity Codes
7. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control
8. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
9. MCWP 3-2, Aviation Operations
10. MCWP 3-22, Antiair Warfare
11. MCWP 3-25, Control of Aircraft and Missiles
12. MCWP 3-25.10, Low Altitude Air Defense Handbook
13. MCWP 3-25.3, Marine Air Command and Control System Handbook
14. MCWP 3-25.4, Tactical Air Command Center Handbook
15. MCWP 3-25.5, Direct Air Support Center Handbook
16. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
17. TM 08565A-CD-1, TAOM System Manual
18. TOPGUN MANUAL, Volumes I and II
19. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1214 \* B E C2 System G

Goal. Operate Link 11

Requirement. Given an operational C2 System and required materials, complete the following:

1. Extract Link 11 information from source documents.
2. Identify characteristics of Link 11.
3. Configure Link 11 hardware for operations.
4. Set-up a workstation for Link 11 operations.
5. Exchange Link 11 messages.
6. Send/receive digital orders.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist
4. Understanding Link 11 Guidebook

AIRS-1216                   \*           B   E           MTAOM G

Goal. Operate Link 16

Requirement. Given a MTAOM and required materials, complete the following:

1. Extract Link 16 information from the reference documents.
2. Identify characteristics of Link 16.
3. Set-up a work station for Link 16 operations.
4. Configure Link 16 hardware.
5. Exchange Link 16 messages.
6. Send/receive text messages.
7. Operate JTIDS Voice.
8. Send/receive digital orders.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1218                   \*           B   E           JRE Gateway G

Goal. Operate a Beyond Line of Site (BLOS) gateway

Requirement. Given a TAOM and required materials, complete the following:

1. Extract JREAP information from the reference documents.
2. Identify characteristics of JREAP.
3. Configure a BLOS gateway for JREAP.
4. Operate JREAP-A.
5. Operate JREAP-B.
6. Operate JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. TM 08565A-CD-1, TAOM System Manual
3. U-TAOC-PCL-03862, Pocket Checklist

AIRS-1220                     \*             B                                     E             C2 System     G

Goal. Establish a workstation for Traffic functions

Requirement. Given a C2 System and required materials, complete the following:

1. Identify characteristics of the Weapons Section.
2. Set-up a workstation for traffic operations.

Performance Standard. Pass an exam.

Instructor. FLC Instructor

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 1-02, DOD Dictionary of Military and Associated Terms
2. JP 3-30, Command and Control of Joint Air Operations
3. JP 3-52, JOINT DOCTRINE FOR AIRSPACE CONTROL IN A COMBAT ZONE
4. JP 3-56.1, Command and Control of Joint Air Operations
5. MCM 3-1, Threat Reference Guide and Countertactics (U), VOL II
6. MCRP 3-25B, MULTI SERVICE AIR-AIR, AIR-SURFACE, SURFACE-AIR, BREVITY CODES
7. MCRP 3-25D, Multiservice Procedures for Integrated Combat Airspace Command and Control



8. MCRP 3-25E, Multiservice Procedures for Joint Integrated Air Defense System
9. MCWP 3-2, Aviation Operations
10. MCWP 3-22, Antiair Warfare
11. MCWP 3-25, Control of Aircraft and Missiles
12. MCWP 3-25.10, Low Altitude Air Defense Handbook
13. MCWP 3-25.3, Marine Air Command and Control System Handbook
14. MCWP 3-25.4, Tactical Air Command Center Handbook
15. MCWP 3-25.5, Direct Air Support Center Handbook
16. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
17. TM 08565A-CD-1, TAOM System Manual
18. TOPGUN MANUAL, Volumes I and II
19. U-TAOC-PCL-03862, Pocket Checklist

#### 11.10 CORE SKILL TRAINING (2000)

11.10.1 Purpose. To train the 7236 in basic equipment capabilities and familiarize the 7236 with C2 systems, air surveillance, air control and weapons employment. The focus of this phase is to train the 7236 in basic TAOC skills and to identify a specific mission skill set, air surveillance or air control, for their future training path. While assigned to a Marine Air Control Squadron (MACS), under direct supervision, the 7236 moves from an introductory understanding of core skills to core skill proficiency.

#### 11.10.2 General

##### 11.10.2.1 Admin Notes

(1) The LFAM stage is required prior to executing any other Core Skill events. It must be conducted every time the 7236 is assigned to new airspace or required to be refreshed per their training record.

(2) Determining the training track for a specific 7236; air control or air surveillance, occurs after the Marine completes both the DLC and TATC core skill stages. The training track is determined by convening a board of the four Squadron appointed TAOC WTIs and chaired by the Detachment Commander. The determination is by a majority vote.

##### 11.10.2.2 Prerequisite. None

11.10.2.3 Stages. The following stages are included in the Core Skill Phase of training:

PAR NO.	STAGE NAME
11.10.3	ACADEMICS (ACAD)
11.10.4	ACADEMICS 1 (ACAD1)
11.10.5	ACADEMICS 2 (ACAD2)
11.10.6	LOCAL FAMILIARIZATION (LFAM)
11.10.7	EQUIPMENT (EQUIP)
11.10.8	ASSISTANT CONTROLLER (AC)
11.10.9	SURVEILLANCE OPERATOR (SO)

11.10.10	TACTICAL AIR TRAFFIC CONTROLLER (TATC)
11.10.11	DATA LINK COORDINATOR (DLC)
11.10.12	AIR INTERCEPT CONTROLLER (AIC1)
11.10.13	AIR INTERCEPT CONTROLLER (AIC2)
11.10.14	DEEP AIR CONTROLLER (DAC)
11.10.15	MISSILE CONTROLLER (MC)
11.10.16	CREW CHIEF (CC)
11.10.17	DETACHMENT CHIEF (DCHF)
11.10.18	COMMAND AND CONTROL SYSTEMS (C2SYS)

11.10.3 ACADEMICS (ACAD)

11.10.3.1 Purpose. To provide the 7236 standardized academic knowledge to perform assigned duties. Academic events are one-time events unless otherwise stated.

11.10.3.2 General

Admin Notes

(1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events listed in this phase, all trainees will also complete ACPM-8004 (TAOC) and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.

(2) All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None

Crew Requirements. None

ACAD-2000    2.0    \*    B    E    G

Goal. Define combat identification

Requirement. Given the references:

1. Define the purpose and criteria for Positive Control
2. Define the purpose and criteria for an Air Defense Identification Zone (ADIZ)
3. Explain how the following are used to identify aircraft:
  - a. Control points
  - b. Airspace Control Area
  - c. Ingress/Egress routes/Minimum Risk Routes
  - d. Identify Friend or Foe (IFF) (Modes 1-5)
  - e. Air Tasking Order (ATO)
4. Explain the relationship between I.D. Criteria and ROE.
5. State the OPORDER appendix that contains ROE and Identification Criteria.

6. Explain the purpose and usage of the authentication table (AKAC 1553).
7. Define the 6 standard track identifications, in accordance with the Joint Multi-TDL Operating Procedures (JMTOPT).
8. List the five track environment categories, in accordance with the JMTOPT.
9. List and Describe the electronic identification capabilities of the following platforms.
  - a. E-3 AWACS
  - b. E-2C Hawkeye
  - c. AEGIS equipped ships

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-22, Anti-Air Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
4. JP 3-52, Joint Airspace Control
5. MCRP 3-25E, Multi-Service Tactics, Techniques, and Procedures for an Integrated Air Defense Systems (IADS)

ACAD-2002 1.0 \* B E G

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Goal. State the purpose of Interface Coordination

Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
  - a. Data registration
  - b. Sensor registration
  - c. Correlation
  - d. Common track
  - e. Dual designation
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JMTOPT, state the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO)
11. State who on the interface may originate a CDO.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2004    2.0    \*    B    E    G

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Goal. Define terms associated with Link 11

Requirement. Given the reference:

1. Define the following Link 11 station modes of operation:
  - a. Net Control Station (NCS)
  - b. Picket
  - c. Radio Silence
2. Define the following Link 11 net modes of operation:
  - a. Roll Call
  - b. Broadcast (Long)
  - c. Short Broadcast
  - d. Net Sync
  - e. Net Test
3. State the purpose of the following Link 11 waveforms:
  - a. Conventional Link 11 Waveform (CLEW)
  - b. Single Tone Link 11 Waveform (SLEW)
4. Describe the characteristics of the following Link 11 data encryption modes:
  - a. A1
  - b. A2
  - c. B
  - d. Plain Text
5. Define Data Link Reference Point, and state typical usage criteria and limitations.
6. Describe Link 11 Gridlock.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11BMIL-STD-6011\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

ACAD-2006 2.0 \* B E G

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Goal. Define terms associated with Link 16

Requirement. Given references, define:

1. Active Synchronization
2. Backlink
3. Command and Control JTIDS/MIDS Unit (C2 JU)
4. Conditional Radio Silence Mode
5. Contention Access Mode
6. Dedicated Access Mode
7. Donor
8. Dynamic Network Management
9. Extension Word
10. Geodetic Position Quality
11. Header Message
12. Host System
13. Initial Entry
14. Initial Entry JTIDS/MIDS Unit (IEJU)
15. Machine Receipt
16. Multifunctional Information Distribution System (MIDS)
17. Minimum Implementation
18. Mode 1, 2, and 4 Communications
19. Net Number
20. Network Participation Group
21. Network Time Reference
22. Non-Command and Control JTIDS/MIDS Unit (NonC2 JU)
23. Pool
24. Passive Synchronization
25. Recurrence Rate
26. Reed-Solomon Code
27. Relative Position Quality
28. Relay Block
29. Round-Trip Timing (RTT)
30. Stacked Net
31. Synchronization
32. Time (System & Terminal)
33. Time Quality (QT)
34. Time Slot
35. Time Slot Reallocation Access Mode

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2008 2.0 \* B E G

Goal. State the characteristics of Tactical Data Links

Requirement. Given references, state the characteristics of:

1. Link 11
2. Link 16

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual

ACAD-2010 2.0 \* B E G

Goal. Define terms associated with Joint Range Extension Application Protocol (JREAP)

Requirement. Given references, define:

1. Common Time Reference
2. Demand Access Multiple Access (DAMA)
3. Joint Range Extension (JRE)
4. JRE Network Controller
5. JRE Source Track Number
6. Link 16 Zone
7. Multicast
8. Packet
9. Port
10. Secondary Track Number
11. Token Passing
12. Transmission Sequence List
13. Unicast

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-3011\_, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

ACAD-2012 2.0 \* B E G

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Goal. State the background characteristics of JREAP

Requirement. Given references, state the characteristics of:

1. JREAP A (Half duplex announced Token Passing Protocol)
2. JREAP B (Full Duplex Synchronous or Asynchronous Point-to-Point Connection)
3. JREAP C (Encapsulation over IP)

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2014 1.0 \* B E G

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Goal. Know the types and purpose of data filters

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.

3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
  - a. Link 11 Transmit
  - b. Link 11B Transmit
  - c. Link 16 Transmit
  - d. Data forwarding for data forwarded from Link 11 to Link 11B
  - e. Data forwarding filter for data forwarded from Link 11B to Link 11
  - f. Transmit filter for all data links in a multi-link interface
  - g. Data forwarding filter for data forwarded from Link 16 to Link 11
  - h. Data forwarding filter for data forwarded from Link 16 to Link 11B
  - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B
  - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
  - a. Geographic (Geo) filters
  - b. Fixed or slaved filters
  - c. Identification filters
  - d. Environment filters
  - e. Reference point filters
  - f. EW filters
  - g. Special Processing Indicator (SPI) filters
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual

ACAD-2016 1.0 \* B E G

Goal. Explain the troubleshooting theory

Requirement. Without the aid of references:

1. Identify the problem
2. Establish a theory of probable cause (question the obvious)
3. Test the theory to determine cause
4. Establish a plan of action to resolve the problem and implement the solution



5. Verify full system functionality and if applicable implement preventive measures
6. Document findings, actions and outcomes

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08565A-CD-1 TAOM System Manual
2. TM 10566D-OI, Communication Interface System CAC2S (V) 4

ACAD-2018 1.0 \* B E G

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Goal. Define the characteristics of Cooperative Engagement Capability (CEC)

Requirement. Given the references:

1. State the purpose of CEC.
2. State the characteristics of the CEC network.
3. Identify the Navy platforms capable of participating in the CEC network.
4. State the Marine Corps equipment required to interface with CEC.

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TACMEMO 3-01.3-12 CEC Tactical Employment Guide, Feb 2012
2. USN Capabilities and Limitations website  
<http://cnl.phdnswc.navy.smil.mil/>
3. Navy CEC Fact Sheet
4. MIL-STD-6016\_, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

ACAD-2020 1.5 \* B E CAC2S G

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Goal. Identify the characteristics, capabilities and limitations of the

Communications Subsystem (CS)

Requirement. Identify or explain the following:

1. Identify the nomenclature and number of radios
2. Identify the number of radio nets and frequency spectrum breakdown
3. Identify antennas
4. Explain the power requirements
5. Explain the remote capability

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Comm Section

Reference.

1. TM 10566C-OI/1, Communication Interface System CAC2S(V)3
2. TM 10566D-OI, Communication Interface System CAC2S(V)4
3. Harris Quick Reference Pocket Guide for the AN/PRC-116
4. Harris Quick Reference Pocket Guide for the AN/PRC-150
5. MCTSSA's Marine Corps Tactical Data Systems Reference Guide

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ACAD-2022 1.0 \* B E TE Radio Assets G

Goal. Identify TAOC communication capabilities

Requirement. Given the reference, identify the following:

1. Define the frequency range of the following:
  - a. High Frequency
  - b. Very High Frequency
  - c. Ultra High Frequency
2. Identify the ground and sky wave range of the following:
  - a. High Frequency
  - b. Very High Frequency
  - c. Ultra High Frequency

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3C, Antenna Handbook

ACAD-2024 1.0 \* B E G

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Goal. Define TAOC radio terms

Requirement. Given the reference, define the following:

1. Amplitude modulation (AM)
2. Antenna gain
3. Bidirectional
4. Broadband antenna
5. Diffraction
6. Dipole antenna
7. Directional antenna
8. Ducting
9. Frequency hopping
10. Frequency modulation (FM)
11. Gain
12. Ground wave
13. Omnidirectional antenna
14. Polarization
15. Reflection
16. Refraction
17. Sky wave
18. Take-off angle

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40.3C, Antenna Handbook

ACAD-2026 0.5 \* B E G

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Goal. Identify the purpose of the positions that make up the Air Defense Command Structure

Requirement. Given the references, explain the responsibilities of the following:

1. Joint Forces Commander (JFC).
2. Joint Forces Air Component Commander (JFACC).
3. Area Air Defense Commander (AADC).
4. Deputy Area Air Defense Commander (AADC).

5. Regional Air Defense Commander (RADC).
6. Sector Air Defense Commander (SADC).

Performance Standard. Pass an exam.

Instructor. BI qualified WD, SAD

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-0 Joint Operations
2. JP 3-1 Countering Air and Missile Threats
3. JP 3-30 Command and Control for Joint Air Operations

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ACAD-2028    2.0    \*    B    E    G

Goal. State the purpose and intent of Rules of Engagement (ROE)

Requirement. Given the reference:

1. Define:
  - a. Law of War
  - b. Rules of Engagement (ROE)
  - c. Supplemental Measures
  - d. Hostile Act
  - e. Hostile Intent
2. State the purpose of the Law of War
3. State the intent of Standing Rules of Engagement (SROE)

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSI 3121.01 Standing ROE for US Forces
2. DoD Inst 2311.01\_, DOD Law of War Program
3. MCO 3300.4, Marine Corps Law of War Program
4. Joint Pub 1-02, DOD Dictionary of Military and Associated Terms

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ACAD-2030    1.0    \*    B    E    G

Goal. Define Joint Theater Missile Defense

Requirement. Given the reference:

1. State the purpose of TMD.
2. State and describe the four operational elements of JTMD.
3. State the three phases of flight for Ballistic Missiles.
4. Identify the major TMD systems in each service and what phase of flight the system is employed.

Performance Standard. Pass an exam.

Instructor. BI qualified SD, BI qualified WD, SAD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. 7210 Instructor

Reference.

1. Joint Pub 3-01 Counter Air and Missile Threats
2. Missile Defense Agency website  
<http://www.mda.mil/system/elements.html>

ACAD-2034 1.0 \* B E G

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Goal. Describe aviation operational documents

Requirement. Given the reference:

1. Describe the phases of the ATO generation cycle:
  - a. Phase I - Command Aviation Guidance
  - b. Phase II - Target/Air Support Mission Development
  - c. Phase III - Air Allocation and Allotment
  - d. Phase IV - Tasking
  - e. Phase V - Force Execution
  - f. Phase VI - Combat Assessment
2. State the information contained within the ATO/SPINS.
3. Explain the use of the Airspace Control Order (ACO).
4. State the information found in the OPTASKLINK

Performance Standard. Pass an exam.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-2, Aviation Operations
2. MCWP 3-25, Control of Aircraft and Missiles
3. MIL-STD-6040, USMTF

ACAD-2036 1.0 \* B E G

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Goal. Define characteristics of Aviation Ordnance

Requirement. Given the reference:

1. State the type of terminal guidance, fuzing, and weight for the following types of aviation ordnance:
  - a. GP bombs, to include the following:
  - b. Mk-82
  - c. Mk-83
  - d. Mk-84
  - e. Paveway II/III Laser-Guided Bombs, to include the following:
  - f. GBU-12
  - g. GBU-16
  - h. GBU-10
  - i. GBU-24
  - j. JDAM, to include the following:
  - k. GBU-38
  - l. GBU-31
  - m. GBU-54
  - n. Standoff weapons, to include the following:
  - o. AGM-154 JSOW
  - p. AGM-88 HARM / AARGM
  - q. AGM-84 H / K SLAM-ER
2. Identify the preferred weapons pairing for the following targets:
  - a. Armored vehicles
  - b. Treeline or covered
  - c. Building
  - d. Personnel: Individual/small group
3. State the definition of inertial aided munitions.

Performance Standard. Pass an exam.

Instructor. BI qualified DAC, BI qualified WD, SAD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ALSA JFIRE dated November 2012

ACAD-2038 2.0 \* B E G

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Goal. Define the characteristics of the Phased Array Tracking Intercept

of Target (Patriot) system and how it integrates into an IADS

Requirement. Given the references:

1. State the mission of Army Air and Missile Defense (AMD).
2. Outline the structure of a PATRIOT Battalion
  - a. Number of firing batteries within a battalion
  - b. Number of launchers within a battery
  - c. Number and types of missiles per launcher
3. List the characteristics of the PAC-3, PAC-2, and GEM-T as they relate to the following (SECRET when filled in):
  - a. Maximum effective range
  - b. Maximum effective speed
  - c. Launch trajectory
  - d. Max effective altitude for ABT, TBM, and CM
  - e. Target to weapon match for ABT, TBM, and CM
  - f. Missile guidance system
4. List the characteristics of the AN/MPQ-65 PATRIOT Radar System (SECRET when filled in):
  - a. Modes of operation
  - b. Surveillance and targeting Radar ranges
  - c. Maximum number of simultaneous target tracking
5. List and define the Detect-to-Engage Sequence
6. Identify the data link capabilities of the ADA Battalion
7. State the purpose and employment considerations for the PATRIOT ADAFCO as member of the TAOC Crew

Performance Standard. Pass an exam.

Instructor. BI qualified WD

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FM 3-01.13 PATRIOT TOPGUN MANUAL
2. MCRP 3-25E MTTP For IADS
3. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual

#### 11.10.4 ACADEMICS 1 (ACAD1)

11.10.4.1 Purpose. To provide the 7236 standardized academic knowledge to perform assigned AIC duties. Academic events are one-time events unless otherwise stated.

#### 11.10.4.2 General

Admin Notes

- (1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events

listed in this phase, all trainees will also complete ACPM-8004 (TAOC) and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.

(2) All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None

Crew Requirements. None

ACAD1-2050 1.0 \* B E G

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Goal. State the characteristics of Navy and USMC Aircraft

Requirement. Given the references, state the capabilities and limitations of the following aircraft:

1. F/A-18 A-D Hornet
2. F/A-18E-F Super Hornet
3. EA-18G Growler
4. EA-6B Prowler

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NTTP 3-22.1 FA18
2. NTTP 2-22.1 EA6B

ACAD1-2052 1.5 \* B E G

---

Goal. State the employment considerations for Navy and USMC Aircraft

Requirement. Given the references, state the employment considerations of the following aircraft during AAW/OAAW, Strike, OAS, CSAR, and Tanking missions:

1. F/A-18 A-D Hornet
2. F/A-18E-F Super Hornet
3. EA-18G Growler
4. EA-6B Prowler

Performance Standard. Pass an exam.

Instructor. AICI



Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NTTP 3-22.1 FA18
2. NTTP 2-22.1 EA6B

ACAD1-2054 1.5 \* B E G

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Goal. Describe the capabilities of US Air-to-Air Weapons

Requirement. Given the reference describe basic guidance theory, expected shot ranges, maneuver capabilities, and required RADAR support for each of the following weapons:

1. AIM-9M Sidewinder
2. AIM-9X Sidewinder
3. AIM-120 AMRAAM

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Chapter 26, AIM-9/Aerial Gunnery
2. TOPGUN MANUAL, Chapter 28, AIM-120
3. TOPGUN MANUAL, Chapter 30, FA-18 Combat Systems

ACAD1-2056 2.0 \* B E G

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Goal. Describe Air Defense terminology

Requirement. Given the references, define the following:

1. Offensive Counter Air
2. Defensive Counter Air
3. Air Superiority
4. Air Supremacy
5. Defense in-depth
6. Vital Area
7. Identification

8. Engagement Area
9. Surveillance Area
10. Missile Engagement Zone
11. Fighter Engagement Zone
12. Joint Engagement Zone
13. Positive Identification
14. Positive Friendly Identification
15. Positive Hostile Identification
16. Minimum Risk Routing

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-0 Doctrine for Joint Operations
2. JP 3-1 Joint Doctrine for Countering Air and Missile Threats
3. JP 3-56.1 Command and Control for Joint Air Operations
4. NTTP 3-01.01 Fleet Air Defense
5. MCWP 3-22 Anti-Air Warfare

ACAD1-2058 4.0 \* B E G

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Goal. Define the following words and concepts

Requirement. Given the references, define the following terms:

1. Call Signs
  - a. Informative
  - b. Directive
  - c. Interrogative
2. Anchor Points
  - a. Bullseye
  - b. Geographical Reference Point
  - c. Fighters Position
3. Types of Control
  - a. Broadcast Control
  - b. Tactical Control
4. AIC Core Communication Format
  - a. Callsign
  - b. Number of Groups
  - c. Anchor Point & Location
  - d. Altitude
  - e. Fill-ins
5. Five Phases of an Air-to-Air Intercept
  - a. Pre-commit
    - (1) Communications Priority
  - b. Post-Commit

- (1) Communications Priority
  - c. Weapons Employment
    - (1) Communications Priority
  - d. Merge
    - (1) Communications Priority
    - (2) Five times you can talk in the merge
  - e. Post-Merge
    - (1) Communications Priority
- 6. Aspect
  - a. General
  - b. Specific
- 7. Declaration Modifiers
  - a. Spades
  - b. Squawking
  - c. Paint(s)
  - d. Echo
  - e. Outlaw
  - f. Rider
- 8. Declarations
  - a. Hostile
  - b. Bandit
  - c. Bogey

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2060 4.0 \* B E G

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Goal. Identify formations

Requirement. Given the references, illustrate the following tactical labels and define the corresponding group names:

1. Single Group
2. Azimuth
3. Range
4. Vic
5. Champagne
6. Ladder
7. Wall
8. Box

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2062 4.0 \* B E G

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Goal. Identify fighter maneuvers

Requirement. Given the references, explain the following terms:

1. Fill-ins
  - a. Opening
  - b. Closing
  - c. Echelon
  - d. Weighted
  - e. Stack
  - f. Heavy
  - g. High
  - h. Very Fast
2. Aspect with reference to the fighters' nose
  - a. Hot
  - b. Flank
  - c. Beam
  - d. Drag
  - e. Cold
3. Maneuver
  - a. Maneuver Range
  - b. Maneuver Azimuth
  - c. Crossing
  - d. Passing
  - e. Change in Aspect
  - f. Maneuver in Altitude

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2064 2.0 \* B E G

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Goal. Define communication calls

Requirement. Given the references, define and specify when to use the following:

1. Auto Separation Call
2. Threat Call
3. Nails
4. Music
5. Strobe
6. Clean
7. Faded
8. Vanished
9. Strength communications

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

ACAD1-2066 2.0 \* B E G

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Goal. Define Air Intercept Control Communication Terms

Requirement. Given the references define the following terms:

1. Abort
2. Anchored
3. As fragged
4. Bonzai

5. Bingo
6. Bittersweet
7. Cheap shot
8. Father
9. Group
10. Hits
11. India
12. Jackal
13. Joker
14. Judy
15. Kill
16. Meld
17. Mickey
18. Midnight
19. Naked
20. Notch(ing)
21. Parrot
22. Pitbull
23. Pinted
24. Print
25. Pump
26. Pushing
27. Skate
28. Short Skate
29. Snaplock
30. Spiked
31. Splash(ed)
32. Standby
33. Status
34. Sunrise
35. Tally
36. Target
37. Terminate
38. Threat
39. Timber
40. Trespass
41. Winchester

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

11.10.5 ACADEMICS 2 (ACAD2)

11.10.5.1 Purpose. To provide the 7236 standardized academic knowledge to perform AIC duties. Academic events are one-time events unless otherwise stated.

11.10.5.2 General

Admin Notes

(1) The academic events in this phase are intended to complement and supplement those in the ACPM. In addition to the events listed in this phase, all trainees will also complete ACPM-8004 (TAOC) and complete a self-paced reading of MCWP 3-25.7, TAOC Handbook.

(2) All tests will be taken without the aid of references and require a minimum score of 80% to pass unless specifically changed in an event.

Prerequisites. None

Crew Requirements. None

ACAD2-2100 1.0 \* B E G

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Goal. State the capabilities and limitations of U.S. Air Force Aircraft

Requirement. Given the references, provide capabilities and limitations of the following aircraft with regard to AAW/OAAW, OAS, CSAR, and tanking:

1. F-15 A-D Eagle
2. F-15 E Strike Eagle
3. F-16 A-CJ Fighting Falcon
4. F-22 Raptor
5. F-35 Lightning II
6. KC-10 Extender
7. KC-135 E/R Stratotanker

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Attachment 3

ACAD2-2102 1.5 \* B E G

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Goal. State the employment considerations for U.S. Air Force Aircraft

Requirement. Given the references, provide the mission, weapons, ID capabilities, and general employment considerations of the following aircraft with regard to AAW/OAAW, OAS, CSAR, and tanking:

1. F-15 A-D Eagle
2. F-15 E Strike Eagle
3. F-16A-CJ Fighting Falcon
4. F-22 Raptor
5. KC-10 Extender
6. KC-135 E/R Stratotanker

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Attachment 3

ACAD2-2104 3.0 \* B E G

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Goal. State the capabilities and limitations of Threat Aircraft

Requirement. Given the references, provide missions, proliferation (threat nations of interest), weapons, and threat category for aircraft listed in Reference (2).

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1.2 Threat Reference guide and Counter tactics
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft

ACAD2-2106 1.0 \* B E G

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Goal. Define Threat Missile Terms



Requirement. Given the references, define the following terms:

1. F-Pole
2. A-Pole
3. Stern WEZ
4. 'nc'
5. 'tc'
6. 'mc'

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2108 1.0 \* B E G

---

Goal. State the capabilities and limitations of threat missiles

Requirement. Given the references, provide capabilities and limitations of air-to-air and air-to-ground missiles listed in references (3) and (5).

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2110 1.0 \* B E G

---

Goal. State employment considerations for threat missiles

Requirement. Given the references, provide threat employment considerations of air-to-air and air-to-ground missiles listed in references (3) and (5) to include guidance type, category, proliferation (Nation of Interest), and Rule of Thumb (ROT) missile for each category.

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems Handbook

ACAD2-2112 1.0 \* B E G

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Goal. Define categories of threat missiles

Requirement. Given the references, define the categories for air-to-air and air-to-ground missiles listed in references (3) and (5).

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1, vol. 1, Chapters 5, 6, 10
2. TOPGUN MANUAL, Chapter 14, Threat Aircraft
3. TOPGUN MANUAL, Chapter 17, Threat Air-to-Air Missiles
4. TOPGUN MANUAL, Chapter 18, Rules-of-Thumb
5. ONI, Worldwide: Foreign Naval Surface-to-Surface Missile Systems

Handbook

ACAD2-2116 1.0 \* B E G

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Goal. Define fighter support concepts and their purpose

Requirement. Given the references, discuss the following terms and phrases and state when each should be utilized in an air-to-air intercept:

1. Offset (20, 40, and 45 degree)
2. Crank
3. Shot Range
4. Last Shot Range
5. Minimum Defense Range (MDR)
6. Minimum Abort Range (MAR)
7. Meld Range
8. Threat Range

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2118 0.5 \* B E G

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Goal. State the two types of fighter support concepts and their purpose

Requirement. Given the references, discuss the following types of fighter support concepts and their purpose:

1. Visual Mutual Support
2. Fluid Mutual Support

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2120 1.0 \* B E G

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Goal. State the mission planning factors associated with defensive tactics

Requirement. Given the references, define the following terms and concepts and state how they are constructed:

1. Flow Range, Offensive and Defensive
2. Shot Depth Range
3. NLT Pump Range
4. Factor Range
5. Minimum Out Range (MOR)
6. Minimum Re-attack Range (MRAR)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2122 2.0 \* B E G

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Goal. State timelines an FA-18 Hornet can be expected to employ

Requirement. Given the references, construct each timeline that FA-18 Hornet & Super Hornet Aircrew can be expected to employ with the following considerations:

1. NLT Commit
2. NLT Pump
3. Meld
4. Shot Range
5. Last Shot Range
6. Minimum Defense Range (MDR)

7. Minimum Out Range (MOR)
8. Minimum Re-attack Range (MRAR)
9. Minimum Abort Range (MAR)
10. Shot Window
11. Desired Our Range (DOR)
12. Desired Re-attack Range (DRAR)
13. Desired Abort Range (DAR)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOPGUN Air-to-Air Mission Planning Gouge
3. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
4. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2124 1.0 \* B E G

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Goal. State the intercept geometries

Requirement. Given the references, discuss the following geometries and how each are tactically used:

1. Single Side Offset
2. Bracket

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
2. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2126 1.0 \* B E G

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Goal. State how targeting contracts differ based on Acceptable Levels of

Risk (ALR)

Requirement. Given the references, discuss the following N/GTD mindsets and ALR, and how they affect fighter employment, as well as the N/GTD section simultaneous targeting contracts, and give an example of when they are applied:

1. Immediate Forward Flow Required (ALR High)
2. Flow Desired (ALR Medium/Low)

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air-to-Air Mission Planning, Chapter 8
2. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2128 2.0 \* B E G

Goal. State standard N/GTD targeting for a section of fighters

Requirement. Given the reference:

1. State the standard section N/GTD targeting against the following presentations where flow is desired:
  - a. Single Group
  - b. Single Group Stack
  - c. Range  $\geq$  OFR
  - d. Range  $\leq$  OFR
  - e. Range  $\leq$  SDR
  - f. Non-Flowable Azimuth 10nm
  - g. Narrow Azimuth  $\leq$  10nm
  - h. Flowable Azimuth
2. State the standard section N/GTD targeting against the following presentations where flow is required:
  - a. Single Group
  - b. Single Group Stack
  - c. Range  $\geq$  DFR
  - d. Range  $\leq$  DFR
  - e. Azimuth

Performance Standard. With the aid of reference, complete each requirement. All targeting examples must address who targets who, what geometry will be used, and the flow decision.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42, N/GTD Targeting Lab

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ACAD2-2130 1.0 \* B E G

Goal. State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics

Requirement. Given the reference, brief how an FA-18 conducts a VID with the following tactics:

1. DTD/FT
2. N/GTD

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42, N/GTD Targeting Lab

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ACAD2-2132 1.0 \* B E G

Goal. State the delouse options available to Strike Fighter Aircrew

Requirement. Given the reference, brief the delouse options available to Strike Fighter Aircrew. For each option discuss the following: Type of threat each should be used against, tactics the option may be used with, and lastly the geometry and employment considerations.

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

ACAD2-2134 2.0 \* B E G

Goal. Describe when AIC actions will be taken with associated AIC terms

Requirement. Given the reference, provide the following:

1. Range that AIC can use the group name "Threat Group"
2. Range that AIC can use the group name "Additional Group"
3. Range that AIC can use the group name "Pop-Up Group"
4. Range that AIC will provide tactical range call when facing the following threats:
  - a. SAR-1
  - b. SAR-2/AR-1
5. Callsigns that an AIC can use when providing "Tactical Range" call
6. Tactics used and requirements that must be met for an AIC to provide a leaning-on assessment

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air Control Communications, Chapter 47

ACAD2-2136 1.0 \* B E G

Goal. State the significance of the maneuvers

Requirement. Given the reference, state the significance of the following maneuvers:

1. Maneuver range
2. Maneuver azimuth

Performance Standard. With the aid of reference, pass an exam.

Instructor. AICI

Prerequisite. None.



Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air Control Communications, Chapter 47

#### 11.10.6 LOCAL AREA FAMILIARIZATION (LFAM)

11.10.6.1 Purpose. To familiarize the 7236 with local restricted airspace.

11.10.6.2 General

Admin Notes. This stage is required prior to executing any other Core Skill events. It must be conducted every time the 7236 is assigned to new airspace or required to be refreshed per their training record.

Prerequisites. None.

Crew Requirements. None.

LFAM-2150 5.0 365 B,R,M L

Goal. Brief local restricted areas

Requirement. Given source documents and a local map:

1. Identify local restricted areas on a map
2. Identify characteristics of each local restricted area
3. Identify agencies responsible for each local restricted area:
4. Identify communication requirements for each local air control agency.

Performance Standard. Brief the instructor on local restricted areas IAW requirements. Minor errors corrected by the trainee are acceptable.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Local unit SOP

#### 11.10.7 Equipment (EQUIP)

11.10.7.1 Purpose. The purpose of this stage is to train the 7236 on various command and control systems. It will also train the 7236 in setting up and operating the Operations Facility (OPFAC), assist Tactical Data Systems (TDS), communications, and radar personnel.

11.10.7.2 General

Admin Notes. None.

Prerequisite. None.

Crew Requirement. None.

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EQUIP-2160 8.0 \* B OPFAC L

Goal. Emplace and displace the Operations Facility (OPFAC)

Requirement. Given a system diagram, OPFAC components, and the reference:

1. Set up the OPFAC tents.
2. Set up the power distribution components.
3. Set up the network infrastructure components.
4. Set up the War Fighter Consoles (WFCs) and visual display equipment.
5. Initialize the OPFAC operator equipment to include startup and problem identification.
6. Displace the OPFAC.

Performance Standard. With a crew and reference, demonstrate the ability to perform requirement under general supervision.

Instructor. BI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Comm Section, Radar Section, Utilities Support, Maintenance Section

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual

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EQUIP-2162 4.0 \* B,R T/E Communication Assets L

Goal. Setup organic communications equipment

Requirement. Given operational documents, organic communications equipment, OPFAC, and PPE:

1. Assist with unpacking and setting up the organic communications equipment.
2. Set up voice communications:
  - a. Line-of-sight (LOS) HF/VHF/UHF

- b. Beyond LOS (BLOS) HF
- c. Satellite communications (SATCOM)
3. Configure a user interface device (UID) for communications

Performance Standard. Complete the required items IAW planning documents and references. Minor errors corrected by the Marine are acceptable.

Prerequisite. SINGGARS Operators' Course (MarineNet) 8064

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3 MAGTF Communications Systems
2. MCRP 3-40.\_ MTTP for High Frequency (HF) Automatic Link Establishment (ALE) (ALSA)
3. MCRP 3-40.3\_ MTTP for HAVE QUICK Radios (ALSA)

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EQUIP-2164 4.0 \* B C2 System, CBRN L

Goal. Conduct TAOC duties in a Chemical Biological Radiological Nuclear (CBRN) environment

Requirement. Given a scenario, supporting documentation, an operational TAOC, conduct assigned TAOC duties in a simulated CBRN environment. Begin in MOPP-0 and graduate to MOPP-IV over a four hour period. While increasing MOPP levels:

1. Identify alternate C2 communications procedures.
2. Plan personnel rotations while in MOPP gear.
3. Utilize CBRN defense equipment as required.
4. Alert subordinate displaced elements.
5. Notify external agencies and aircraft.

Performance Standard. Completing the requirement items. The instructor may provide minimal guidance.

Instructor. BI qualified CC

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6.

Reference.

1. Marine Corps Common Skills Handbook
2. MCO 3400.3\_, Nuclear, Biological, and Chemical Defense (NBCD) Training
3. MCRP 3-11.2A, Troop Leader's Guide (Appendix G)
4. MCO 3501.9B,R, Marine Corps Combat Readiness Evaluation System

11.10.8 Assistant Controller (AC)

11.10.8.1 Purpose. To teach Marines how to assist the TATC, AIC and DAC in the execution of their assigned duties.

11.10.8.2 General

Admin Notes. This stage of training may be conducted concurrently with other stages.

Prerequisites. 2008, 2012, 2026, 2028.

Crew Requirement. None.

AC-2200      1.0      \*      B      S/L

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Goal. Produce a TATC log

Requirement. Given references and operational documents, conduct the following:

1. List required information to extract from the Air Tasking Order (ATO).
2. Utilizing C2 programs, view, sort, and filter, an ATO.
3. Export into a document format (Excel, Text).

Performance Standard. Present the instructor with an error free TATC log.

Instructor. BI

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS Users Manual

AC-2202      8.0      \*      B      C2 System      L

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Goal. Record aircraft handovers

Requirement. Given a scenario, operational documents, copy of TATC Log, and a C2 System:

1. Monitor aircraft communications
2. Record mission essential information, to include but not limited to:
  - a. Callsign
  - b. Number of aircraft
  - c. Mission
  - d. Altitude and location

e. Tasking

3. Provide aircraft mission essential information to internal crew members in a SALT format.
4. Provide aircraft mission essential information to an external controlling agency in SALT format.
5. Digitally task aircraft.
6. Confirm receipt of handover with external controlling agency.
7. Maintain a logbook (logbooks don't capture every exchange of communication, so don't specify non-digital. An example of something digital recorded in the logbook: "1119 - Digital tasking given to Brain-39 over Link-16." Not the guts of the tasking because it is recorded in another place)

Performance Standard. With the aid of references, complete the required items IAW the reference.

Instructor. BI

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7 TAOC Handbook

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AC-2204      1.0      \*      B      C2 System      S/L

Goal. Make a record of aircraft violating safety of flight protocols

Requirement. Given a scenario, source documents, a C2 system:

1. Review safety protocols for assigned airspace.
2. Provide information of violating aircraft to controller
3. Record aircraft violating safety of flight protocols in the logbook
4. Produce a report describing the violation.

Performance Standard. With the aid of references, complete the required items IAW the reference.

Instructor. BI

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7 TAOC Handbook

AC-2206      4.0      \*      B      C2 System      L/S

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Goal. Maintain system symbology

Requirement. Given a scenario, a C2 system, and aircraft:

1. Input required information into symbology data display window.
  - a. Callsigns
  - b. Identify Friend or Foe (IFF) codes
  - c. Weapons loadouts
2. Maintain previously established classifications of lost tracks in accordance with ID criteria.
3. Monitor track quality of symbol under agency control.
4. Manually maintain tracks with critical symbology.
5. Delete non-mission critical symbols with poor track quality

Performance Standard. With the aid of references, complete the required items IAW the reference.

Instructor. BI

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7 TAOC Handbook
2. U-TAOC-PCL-03862 Pocket Checklist

AC-2208      8.0      \*      B      C2 System      S/L

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Goal. Perform as the assistant to the TATC

Requirement. Given an ATO and C2 system, assist the TATC in:

1. Produce a TATC log
2. Track all aircraft under the control of the TATC on the log.
3. Conduct external/internal handovers.
4. Identify safety of flight issues
5. Maintain symbol management of aircraft
6. Conduct digitally aided control.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified AC, SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7 TAOC Handbook
2. U-TAOC-PCL-03862 Pocket Checklist

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AC-2210      8.0      \*      B      C2 System      S/L

Goal. Perform as the assistant to the AIC

Requirement. Given a C2 system and operational documents, assist the AIC in:

1. Enter all database items required
2. Manage symbols
3. Conduct digitally aided control
4. Provide the AIC with threat information to include:
  - a. Number of group
  - b. Target altitude
  - c. Target heading
  - d. Formation and tactics
  - e. Target aspect (hot, cold, capping, etc)
5. Identify safety of flight information
6. Compile and forward applicable engagement reports.
7. Notify the AIC when new additional, pop-up, and threat groups are identified
8. Update and manage all weapon system inputs
9. Conduct IFF/SIF checks

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified AC, SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Air Control Communications, Chapter 47
2. MCWP 3-25.7 TAOC Handbook

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AC-2212      8.0      \*      B      C2 System      S/L

Goal. Perform as an assistant to the DAC

Requirement. Given a C2 system and operational documents, assist the DAC in:

1. Provide external/internal handovers
2. Manage symbols
3. Update external agencies on mission status
4. Receive and forward Battle Damage Assessment (BDA)
5. Provide tasking information for aircraft to the DAC
6. Update and manage all weapon system inputs

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified AC, SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7 TAOC Handbook

#### 11.10.9 Surveillance Operator (SO)

11.10.9.1 Purpose. To introduce the 7236 to the techniques required to produce and maintain the accuracy, currency and quality of track data.

#### 11.10.9.2 General

Admin Notes. None.

Prerequisite. 2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034.

Crew Requirement. None.

SO-2300      6.0      \*      B      C2 System      L

Goal. Conduct data registration function

Requirement. Given a C2 system, operational tactical data links, organic communications, and a radar and/or non-organic radar input, conduct data registration by the following:

1. Radar Registration
2. Sensor Registration
3. JTIDS/MIDS Unit (JU) Registration

Performance Standard. Complete a data registration.



Instructor. BI

Prerequisite. 2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422

Ordnance. None.

Range. None.

External Syllabus Support. TDS, TDL capable agencies with local output sensor data. Agencies must have at least one operational Link 11, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

CJCSM 6120.01\_ Joint Multi-Tactical Data Link Operating Procedures (JMTOP) Manual

SO-2302      1.0      \*      B      C2 System      L

Goal. Identify information required to maximize organic radar performance

Requirement. Given the references, identify the input requirements to maximize radar performance:

1. Weather
2. Filters
3. Possible sector inhibits and censor areas
4. Radar alignment
5. Data base entries

Performance Standard. Complete the required items IAW planning documents and references. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI

Prerequisite. 2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. CJCSM 6120.01 Joint Multi-TDL Operating Procedures
3. Joint Multi-TDL Operating Procedures

SO-2304      2.0      \*      B      C2 System      L

Goal. Conduct a fidelity drill

Requirement. Given the JMTOPI, conduct a fidelity drill.

Performance Standard. Complete a fidelity drill.

Instructor. BI

Prerequisite. 2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422

Ordinance. None.

Range. None.

External Syllabus Support. TDS, TDL capable agencies with the ability to output sensor data. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

CJCSM 6120.01\_ Joint Multi-Tactical Data Link Operating Procedures (JMTOPI) Manual

#### 11.10.10 Tactical Air Traffic Controller (TATC)

11.10.10.1 Purpose. To train the TATC to perform airspace control within the TAOC's assigned sector for all missions not controlled by the AIC.

#### 11.10.10.2 General

##### Admin Notes

(1) This stage of training may be conducted concurrently with other stages provided the prerequisites have been met.

(2) Determining the training track for a specific 7236; air control or air surveillance, occurs after the Marine completes both the DLC and TATC core skill stages. The training track is determined by convening a board of the four Squadron appointed TAOC WTIs and chaired by the Detachment Commander. The determination is by a majority vote.

Prerequisites 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000

Crew Requirement. None.

TATC-2350 1.0 \* B C2 System S

Goal. Provide flight information for an aircraft emergency

Requirement. Given a C2 System and during an aircraft emergency (controlled or uncontrolled), provide flight information during and after per the Pocket Checklist.

Performance Standard. Provide the required items to the instructor without error.

Instructor. BI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

U-TAOC-PCL-03862 Pocket Checklist

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TATC-2352    8.0    \*    B    C2 System    L/S

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Goal. Conduct TATC planning

Requirement. Given a scenario and operational documents,, perform TATC planning for:

1. Local routing procedures for all expected aircraft to include:
  - a. Check in and handover points
  - b. Handover procedures for internal and external handovers
  - c. Control points or airspace reference method (ie: GARS) that will be common between aircrew and controller
  - d. Routing de-confliction plan
2. AAR operations to include:
  - a. Track locations
  - b. Join-ups procedures
  - c. Scheduled tanking events
  - d. Prioritization of receivers
  - e. Routing and handover communications
3. Known safety or flight hazards to include any applicable restricted areas.
4. Military and nonmilitary airspace considerations:
  - a. De-confliction procedures with civil airways/Federal Aviation Administration (FAA).
  - b. Visual Flight Rules (VFR) / Instrument Flight Rules (IFR) regulations.
5. Emergency procedures IAW the PCL and local area SO.
6. Hung ordnance procedures and drop locations.
7. Appropriate data link procedures and planned usage.
8. Slide and retrograde plan as required.
9. RTF/MRR as required.

Performance Standard. Provide a brief to the instructor on the requirements. The Marine should be prepared to answer questions on planning considerations.

Instructor. BI qualified TATC, BI qualified WD

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941,

3200, 3202, 3204, 3206, 6250, 6275, 8000

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Squadron SOP
2. U-TAOC-PCL-03862 Pocket Checklist
3. MCWP 3-25.7, Tactical Air Operation Center (TAOC) Handbook

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TATC-2354    8.0    \*    B    C2 System    L/S

Goal. Perform TATC functions

Requirement. Given a scenario, references, C2 system, core skill proficient weapons section, perform the following TATC functions:

1. Enter and maintain the traffic database per WD direction
2. Authenticate aircraft
3. RIO aircraft utilizing the SALT format
4. Conduct SIF/Mode IV checks
5. Conduct external/internal handovers
6. Conduct Aerial Refueling (AR) operations.
  - a. Route tanker on the appropriate track and provide flight following
  - b. Execute the slide/retrograde plan as the threat dictates or per WD direction.
  - c. Monitor, record and report tanker fuel status.
  - d. Route aircraft to the tanker.
  - e. Route aircraft departing the tanker and handover to the appropriate controller/agency.
7. Route all manned aircraft within assigned airspace
8. Route all UAS within assigned airspace
9. Maintain symbol management.
10. Maintain TATC logs.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified TATC, BI qualified WD

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Squadron SOP
2. U-TAOC-PCL-03862 Pocket Checklist
3. MCWP 3-25.7, Tactical Air Operation Center (TAOC) Handbook

11.10.11 Data Link Coordinator (DLC)

11.10.11.1 Purpose. To train the 7236 as a DLC in the TAOC.

11.10.11.2 General

Admin Notes.

(1) This stage of training may be conducted concurrently with other stages provided the prerequisites have been met.

(2) Determining the training track for a specific 7236; air control or air surveillance, occurs after the Marine completes both the DLC and TATC core skill stages. The training track is determined by convening a board of the four Squadron appointed TAOC WTIs and chaired by the Detachment Commander. The determination is by a majority vote.

Prerequisite. 2008, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Crew Requirements. None.

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DLC-2400    4.0    \*    B    C2 System    L

Goal. Operate Link 11

Requirement. Given the references, operational documents, and a C2 system:

1. Extract required information from the OPTASKLINK
2. Input the required database entries
3. Enter and activate filters
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform net entry procedures
7. Perform net exit procedures
8. Operate in the following modes:
  - a. Radio Silent.
  - b. Net Control Station (NCS).
  - c. Picket.

Performance Standard. Successfully exchange tracks.

Instructor. BI qualified DLC

Prerequisite. 2004, 2008, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. Link 11 capable platform(s), TDS, AvRad.

Reference.

1. CJCSM 6120.01 Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website <https://standmgt.disa.mil/restricted/usmtf/>

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DLC-2402      4.0      365      B,R,M                      C2 System      L

Goal. Operate Link 16

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly
7. Validate the equipment is keyed
8. Load the initialization data load (IDL)
9. Perform link entry procedures
10. Perform net exit procedures
11. Achieve fine synchronization with another interface unit
12. Operate in/as the following:
  - a. Radio Silent or data silent
  - b. Network Time Reference (NTR)
  - c. Initial Entry JTIDS Unit (IEJU)

Performance Standard. Conduct a fidelity drill.

Instructor. BI qualified DLC

Prerequisite. 2006, 2008, 2012,2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s), TDS,

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-2404    8.0    365    B,R,M                      C2 System    L

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Goal.    Configure the Joint Range Extension-Gateway (JRE-GW)

Requirement.    Given a C2 system:

1. Configure own unit data
2. Configure JRE-GW client software, to include:
  - a. Clients
  - b. Roles
  - c. Client Applications Settings
  - d. JRE Client Map functions
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
  - a. Operator Action
  - b. eDERG
  - c. ATO
  - d. ACO
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard.    Complete the requirement items IAW the references. Maintenance, communications personnel, or the instructor may assist with Requirement (1).

Instructor.    BI qualified DLC

Prerequisite.    2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance.    None.

Range.    None.

External Syllabus Support.    TDS, AVCOM, external JREAP capable system

Reference.

1. JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

DLC-2406    4.0    365    B,R,M                      JRE-GW        L

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Goal.    Operate JREAP A

Requirement.    Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, compass or Defense Advanced GPS Receiver (DAGR), and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.

2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.
4. Validate JREAP A equipment is connected.
5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information
10. Demonstrate the ability to operate in the following modes:
  - a. Network Participant
  - b. Network Controller
  - c. Network Listener

Performance Standard. Successfully exchange tracks. Maintenance personnel, communications personnel, or the instructor may assist with items (1) through (5) only.

Instructor. BI qualified DLC

Prerequisite. 2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. AVRAD, TDS, External JREAP capable system, DAMA Satellite Access, Live/Virtual/Constructive Forwarding JTIDS/MIDS Unit Generic Network Controller.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

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DLC-2408    4.0    365    B,R,M    JRE-GW    L

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Goal. Operate JREAP B

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Set-up the serial line encryption device for JREAP B operations
2. Configure the serial line encryption device for JREAP B operations
3. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
4. Build the JREAP B link in the JRE-GW.
5. Enter and activate filters in the JRE-GW per the OPTASK LINK.
6. Enable and disable the link connections.
7. Activate and exchange information with JREAP B.
8. Deactivate the link.

Performance Standard. Successfully exchange information/data.



Maintenance personnel, communications personnel and the instructor may assist with items (1) and (2) only.

Instructor. BI qualified DLC

Prerequisite. 2006, 2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, switching network, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

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DLC-2410	4.0	365	B,R,M	JRE-GW	L
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Goal. Operate JREAP C

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Coordinate entry
4. Build JREAP C IP links
5. TCP
6. UDP
7. MTC
8. MTDS
9. Enter and activate filters.
10. Enable and disable the link connections.
11. Activate and exchange information with JREAP-C (either TCP or UDP).
12. Deactivate the link

Performance Standard. Successfully exchange information/data.  
Maintenance personnel, communications personnel and the instructor may assist with items (1) and (2) only.

Instructor. BI qualified DLC, SAD, SI qualified SD

Prerequisite. 2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

DLC-2412      4.0      365      B,R,M                      C2 System      S/L

Goal. Troubleshoot Link 11

Requirement. Given a C2 system, Link 11, and scenario:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.
7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Perform the requirements and explain to the instructor the steps being performed. The instructor will ask questions of the trainee.

Instructor. BI qualified DLC

Prerequisite. 2004, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-2414      4.0      365      B,R,M                      C2 System      S/L

Goal. Troubleshoot Link 16

Requirement. Given a C2 system with Link 16:

1. Determine if the internal data path being used for Link 16 is functional.
2. Recognize and take appropriate action for incorrect time.
3. Recognize and take appropriate action for incorrect crypto.
4. Recognize and take appropriate action for incorrect IDL.
5. Select and monitor Link 16 messages.
6. Elevate unresolvable issues to the crew chief.

Performance Standard. Perform the requirements and explain to the instructor the steps being performed. The instructor will ask questions of the trainee.

Instructor. BI qualified DLC

Prerequisite. 2006, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. System Technical Manual

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DLC-2416    4.0    365    B,R,M                      C2 System    S/L

Goal. Troubleshoot JREAP A

Requirement. Given a C2 system with JREAP A:

1. Use the SATCOM radio's receive signal strength orderwire (RSSOW) to troubleshoot antenna elevation and azimuth.
2. Troubleshoot the SATCOM radio's satellite connection status.
3. Determine if the TAOC's Interface Unit address is in the Network Controller's subscriber list.
4. Elevate unresolvable issues to the crew chief.

Performance Standard. Perform the requirements and explain to the instructor the steps being performed. The instructor will ask questions of the trainee.

Instructor. BI qualified DLC

Prerequisite. 2008, 2010, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2406, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

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DLC-2418      4.0      365      B,R,M                      C2 System      S/L

Goal. Troubleshoot JREAP B

Requirement. Given a C2 system with JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Perform the requirements and explain to the instructor the steps being performed. The instructor will ask questions of the trainee.

Instructor. BI qualified DLC

Prerequisite. 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

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DLC-2420      4.0      365      B,R,M                      C2 System      S/L

Goal. Troubleshoot JREAP C

Requirement. Given a C2 system with JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Perform the requirements and explain to the instructor the steps being performed. The instructor will ask questions of the trainee.

Instructor. BI qualified DLC

Prerequisite. 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDS, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. MIL-STD-6017, VMF Interface Standard
5. MIL-STD-3011, JREAP Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs

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DLC-2422      8.0      \*      B      C2 System      L

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Goal. Conduct tactical data link coordination

Requirement. Given an exercise or operational scenario:

1. Obtain the communications and data link source documentation for the specified exercise or operation.
2. Identify required crypto short titles in the EKMS callout.
3. Identify communication nets required for TDL coordination.
4. Obtain the Link 16 IDL from the USMC Network Design Facility.
5. Identify required TDL equipment to the SD.
6. Perform Link 16 pulse deconfliction.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation).

Instructor. BI

Prerequisite. 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2400, 2402, 2404, 2406, 2408, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDL capable agencies. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures

#### 11.10.12 Air Intercept Controller 1 (AIC1)

11.10.12.1 Purpose. To familiarize the AIC student with the core communications, procedures, and tactics associated with Ground Control Intercepts (GCI).

#### 11.10.12.2 General

##### Admin Notes

(1) Missions will be executed per ROE established by published AAW directives, operational planning orders/documents, or individual mission briefs.

(2) For evaluation purposes, a mission will consist of a fighter mission brief to the AIC, AIC brief to the AICI, execution of the event, AIC debrief to the AICI, and fighter mission debrief to the AIC. Briefing and debriefing standards will be the TOPGUN MANUAL.

(3) Link 16 will be used to the fullest extent possible.

(4) Tactical Combat Training System (TCTS) facilities should be used when available for debriefing.

(5) The primary weapon system will be used to the fullest extent possible. When necessary, events can be conducted from an instrumented range with equipment hosted at the range.

(6) Live AIC events will be accomplished in conjunction with events from the F/A-18 T&R Manual (NAVMC 3500.50\_) that require ground-controlled intercepts (GCI). Weapons and Tactics Training Program (WTTP) Officers should coordinate with fighter squadrons to accomplish these events.

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Crew Requirements. A qualified SAD and core skill proficient CC and AC.

AIC1-2500    3.0    \*    B    E    C2 System    S

Goal. Perform AIC functions for a section of fighter aircraft using N/GTD

Requirement. Given a C2 system and a simulation, control a section of fighter aircraft against an unknown threat provide the following:

1. Accurate initial picture
2. Recognition of commit/reset criteria
3. Transition from broadcast control to tactical control
4. Accurate and timely declarations
5. Accurate and timely recognition and communication of maneuvering targets
6. Post merge picture
7. Effective cold ops execution/communication when required
8. Effective communications brevity IAW reference

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC1-2502 3.0 \* B,R C2 System S

Goal. Perform AIC functions for a section of fighter aircraft using DTD

Requirement. Given a C2 system and a simulation, control a section of fighter aircraft against an unknown threat providing the following:

1. Accurate initial picture
2. Recognition of commit/reset criteria
3. Transition from broadcast control to tactical control with proper labels and names
4. Accurate and timely declarations
5. Accurate and timely recognition and communication of maneuvering targets
6. Post merge picture
7. Effective cold ops execution/communication when required
8. Effective communications brevity IAW reference

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC1-2504 3.0 1460 B,R,M C2 System L

Goal. Perform AIC functions for a section of fighter aircraft against unknown threat

Requirement. Given a C2 System with live tactical radar inputs control a section of fighter aircraft against an unknown threat and provide the following:

1. Accurate initial picture
2. Recognition of commit/reset criteria
3. Transition from broadcast control to tactical control with proper labels and names
4. Accurate and timely declarations
5. Accurate and timely recognition and communication of maneuvering targets
6. Post merge picture
7. Effective cold ops execution/communication when required
8. Effective communications brevity IAW reference

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. Airspace capable of air-to-air conflict.

External Syllabus Support. Fighter pilot with two or more adversaries.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3



3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

11.10.13 Air Intercept Controller (AIC2)

11.10.13.1 Purpose. To familiarize the AIC student with communications, procedures, and tactics associated with Ground Control Intercepts (GCI).

11.10.13.2 General

Admin Notes

(1) Missions will be executed per ROE established by published AAW directives, operational planning orders/documents, or individual mission briefs.

(2) For evaluation purposes, a mission will consist of a fighter mission brief to the AIC, AIC brief to the AICI, execution of the event, AIC debrief to the AICI, and fighter mission debrief to the AIC. Briefing and debriefing standards will be the TOPGUN MANUAL.

(3) Link 16 will be used to the fullest extent possible.

(4) Tactical Combat Training System (TCTS) facilities should be used when available for debriefing.

(5) The primary weapon system will be used to the fullest extent possible. When necessary, events can be conducted from an instrumented range with equipment hosted at the range.

(6) Live AIC events will be accomplished in conjunction with events from the F/A-18 T&R Manual (NAVMC 3500.50\_) that require ground-controlled intercepts (GCI). Weapons and Tactics Training Program (WTTP) Officers should coordinate with fighter squadrons to accomplish these events.

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Crew Requirements. A qualified SAD and core skill proficient CC and AC.

AIC2-2550 1.0 \* B,R L

Goal. Conduct an N/GTD brief for a section

Requirement. Given the references, conduct an N/GTD AIC brief using proper whiteboard setup, symbology and tactical scenario addressing the following information:

1. Goals of N/GTD tactics
2. Basic employment of each defense type.
3. Section simultaneous targeting contracts.

4. AIC directive targeting rules for N/GTD tactics
5. SAR-1 Basic timeline
6. All flow desired and flow required N/GTD targeting to include:
  - a. Single Group
  - b. Single Group Stack
  - c. 2 Groups Range (Flowable & Non-Flowable)
  - d. 2 Groups Azimuth (Flowable & Non-Flowable)

Performance Standard. Conduct brief with the AICI IAW the references.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2
2. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
3. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42
4. TOPGUN MANUAL, Air Control Communications, Chapter 47

AIC2-2552 1.0 \* B,R L

Goal. Conduct an FT brief for a division

Requirement. Given the references and a tactical scenario, conduct an FT AIC brief using proper whiteboard setup, and symbology addressing the following information:

1. Goals of FT
2. Basic employment of FT.
3. Requirements to execute FT.
4. Requirements for high-quality Command & Control.
5. SAR-2/AR-1 MOR timeline.
6. All hot and cold FT targeting to include:
  - a. Single Group
  - b. Single Group Stack
  - c. 2 Groups Range
  - d. 2 Groups Azimuth
  - e. 3 Groups Wall
7. Communications during the hot and cold phases of employment
8. The difference between offensive and defensive maneuvers and the associated AIC directive targeting if required.
9. FT VID execution.
10. Transition to an immediate forward flow required mindset.

Performance Standard. Conduct brief with the AICI IAW the references.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2
2. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
3. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42
4. TOPGUN MANUAL, Air Control Communications, Chapter 47

AIC2-2554 3.0 \* B,R E C2 System S

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Goal. Perform fighter timeline awareness

Requirement. Given a C2 system, simulation and while demonstrating fighter time line awareness, control a division of fighter aircraft against unknown threat:

1. Commits/recommends commit of fighters IAW briefed criteria
2. Transition to tactical control automatically as briefed or IAW reference
3. Provide tactical range calls on timeline IAW reference
4. Use of AIC directive targeting when required IAW reference
5. Make appropriate threat calls as needed
6. Use of additional group/pop-up group/threat group IAW reference

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes

2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2556 3.0 \* B,R E C2 System S

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Goal. Perform AIC communications

Requirement. Given C2 systems, simulation and while demonstrating correct communications format, control a division of fighter aircraft against unknown threat and provide the following:

1. Correct callsign usage
2. When using broadcast control, group are referenced in order of priority as briefed
3. Labels (range, azimuth, ladder, wall, vic, champagne, etc) are used to accurately describe a picture
4. Label fill-ins (opening, echelon, stack, weighted are provided when applicable and in the correct order
5. Group numbering or label with additional group(s) is used when a label does not fit
6. When using tactical control the group that is anchored is the priority group
7. Bullseye, GeoRef, and BRAA anchor points are used correctly
8. Communications format fill-ins are provided in the correct order
9. Strength ("Heavy") provided when appropriate
10. Declarations are provided accurately with appropriate modifiers
11. Identification of groups is provided accurately
12. Format of separation calls is accurate
13. Format of nails/spike/music/strobe/cons/eyeball range calls is correct

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2558 3.0 \* B,R E C2 System S

Goal. Perform proactive involvement

Requirement. Given C2 systems and while demonstrating proactive involvement, control a division of fighter aircraft against unknown threat:

1. Makes picture calls pre-commit
2. Recommends/directs commits or resets as briefed or IAW reference
3. Makes "new picture" calls as briefed or IAW reference
4. Provides QA of fighter assignment of targeting/monitoring and directly targets when required
5. Provides descriptive updates
6. Provides QA of fighter flow
7. Separation calls made when briefed or IAW reference
8. Corrects name of group called by fighter, if incorrect, in subsequent calls
9. Uses voice inflection on critical elements of information

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2560 3.0 \* B,R E C2 System S

Goal. Respond to fighter requests

Requirement. Given C2 systems and while demonstrating listening and comprehension skills, control a division of fighter aircraft against unknown threat:

1. Responds to fighter SA request (when appropriate to do so) within two seconds
2. Responds to SA requests with the correct type of response (picture, anchor point selection, threat, etc) IAW reference

3. Acknowledges requests for targeting or monitoring

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2562 3.0 \* B C2 System S

Goal. Perform scope mechanics

Requirement. Given organic tactical systems, references, scenario, and while demonstrating scope mechanics, interpretation, and utilization, control a division of fighter aircraft against unknown threat:

1. Groups are anchored accurately enough to solve for fighter correlation
2. Altitude is provided accurately within system tolerances (including stack recognition)
3. Maintains SA to location of fighters and anchors group to the correct fighter element
4. Recognizes that a group is maneuvering within two radar/IFF updates
5. Gains SA on groups that are new to a problem within three seconds of the instructor
6. Correctly identifies group maneuvers (maneuver in range/azimuth/elevation)
7. Correctly identifies aspects of groups

Performance Standard. Complete the requirement items IAW the reference. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

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AIC2-2564    3.0    \*    B    C2 System    S

Goal. Perform AIC functions for a division of fighter aircraft performing NTD

Requirement. Given organic tactical systems, references, scenario, and while demonstrating scope mechanics, interpretation, and utilization, control a division of fighter aircraft against unknown threat:

1. Perform fighter timeline awareness
2. Perform AIC communications.
3. Perform proactive involvement
4. Respond to fighter requests
5. Perform scope mechanics

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor) IAW the references. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

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AIC2-2566    3.0    \*    B    C2 System    S

Goal. Perform AIC functions for a division of fighter aircraft performing DTD/FT

Requirement. Given organic tactical systems, references, scenario, and while demonstrating scope mechanics, interpretation, and utilization, control a division of fighter aircraft against unknown threat:

1. Perform fighter timeline awareness
2. Perform AIC communications.
3. Perform proactive involvement
4. Respond to fighter requests
5. Perform scope mechanics

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor) IAW the references. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2568 3.0 \* B C2 System L

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Goal. Perform AIC functions for a division of fighter aircraft performing NTD

Requirement. Given organic tactical systems and while demonstrating scope mechanics, interpretation, and utilization, control a division of fighter aircraft against unknown threat:

1. Perform fighter timeline awareness
2. Perform AIC communications.
3. Perform proactive involvement
4. Respond to fighter requests
5. Perform scope mechanics

Performance Standard. Perform the requirement to a proficient level



(correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor) IAW the references. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. Airspace capable of air-to-air combat.

External Syllabus Support. Fighter aircraft and two or more adversaries.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

AIC2-2570 3.0 \* B C2 System L

Goal. Perform AIC functions for a division of fighter aircraft performing DTD/FT

Requirement. Given organic tactical systems and while demonstrating scope mechanics, interpretation, and utilization, control a division of fighter aircraft against unknown threat:

1. Perform fighter timeline awareness
2. Perform AIC communications.
3. Perform proactive involvement
4. Respond to fighter requests
5. Perform scope mechanics

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor) IAW the references. Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. Airspace capable of air-to-air combat.

External Syllabus Support. Fighter aircraft and two or more adversaries.

Reference.

1. MCRP 3-25B Multi Service Brevity Codes
2. NTTP 3-03.4, Naval Strike and Air Warfare, Chapter 3
3. TOPGUN MANUAL, Chapter 1, Communications Brevity
4. TOPGUN MANUAL, Chapter 47, Air Control Communications

11.10.14 Deep Air Controller (DAC)

11.10.14.1 Purpose. To familiarize the trainee with control procedures utilized in Offensive Air Support operations.

11.10.14.2 General

Admin Notes. This stage of training may be conducted concurrently with other stages provided the prerequisite have been met.

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirement. None.

DAC-2600    6.0    \*    B    C2 System    L/S

Goal. Receive and process deep air operations information

Requirement. Given a C2 system, references, and weapons section:

1. Receive a request for air support and complete a Joint Tactical Airstrike Requests (JTAR) and forward to the Weapons Director (WD).
2. Receive Medical Evacuation (MEDEVAC) information and forward to the WD.
3. Receive and forward Inflight/Pilot Reports (IFREP/PIREP) information to the WD.
4. Maintain a log to include, at a minimum:
  - a. The time aircraft is on station.
  - b. Location.
  - c. Weapons states.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified DAC

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202,

3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 80841, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. Aircraft performing DAS.

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
2. MCWP 3-25.5, Direct Air Support Center (DASC) Handbook

#### 11.10.15 Missile Controller (MC)

11.10.15.1 Purpose. To familiarize the 7236 with the core communications, procedures, and tactics associated with controlling Ground Based Air Defense (GBAD) assets.

#### 11.10.15.2 General

Admin Notes. None.

Prerequisites. 2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirement. None.

MC-2650      4.0      \*      B      C2 System      S/L

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Goal. Perform MC functions

Requirement. Given a TAOM, and without a data link, coordinate missile control with GBAD units.

1. Conduct manual assignments against air threats.
2. Disseminate appropriate Weapons Control Status (WCS), Air Defense Warning Condition (ADWC), and States of Alert (SOA).
3. Monitor and post Firing Unit (FU) status.
4. Interface with GBAD units.
5. Maintain information flow to the GBAD units
6. Conduct cross boundary coordination.
7. Compile and forward all engagement reports

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified MC

Prerequisite. 2000, 2008, 2012, 2026, 2028,2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028,8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. GBAD Unit

Reference.

1. MCWP 3-22, Anti-air Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
4. MCWP 3-25.10, Low Altitude Air Defense (LAAD) Gunner's Handbook

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MC-2652      4.0      \*      B      C2 System      L/S

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Goal. Perform MC functions

Requirement. Given a TAOM and with a data link, coordinate missile control with multiple GBAD units.

1. Use data link orders to conduct assignments against multiple air threats.
2. Conduct manual assignments against air threats.
3. Disseminate appropriate Weapons Control Status (WCS), Air Defense Warning Condition (ADWC), and States of Alert (SOA).
4. Monitor and post FU status.
5. Interface with GBAD units.
6. Maintain information flow to the GBAD units.
7. Ensure cross boundary coordination.
8. Compile and forward all engagement reports.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified MC

Prerequisite. 2000, 2008, 2012, 2026, 2028,2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028,8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. GBAD unit, Link capable platform(s), TDS, AvRad

Reference.

1. MCWP 3-22, Antiair Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
4. MCWP 3-25.10, Low Altitude Air Defense (LAAD) Gunner's Handbook

11.10.16 Crew Chief (CC)

11.10.16.1 Purpose. To develop proficiency in crew and system management involved in TAOC operations.

11.10.16.2 General

Admin Notes. None.

Prerequisites. To begin the crew chief stage of training, a Marine must complete the prerequisite combinations below:

2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Crew Requirement. None.

CC-2700      1.0      \*      B      L

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Goal. Perform TAOC Crew Chief administrative functions

Requirement. Given the necessary forms or formats and a scenario, identify the necessary information to complete and route the following reports/forms:

1. Equipment Status report.
2. Daily Operational summary (OPSUM).
3. TAOC Crew position evaluations and qualification recommendations.

Performance Standard. Complete each requirement. The instructor may provide minimal guidance.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook

CC-2702      1.0      \*      B      S/L

Goal. Determine prioritization of communication links

Requirement. Given the reference, a list of communication paths, TAOC scenario with communication link failures, perform the following:

1. Establish net restoration priority.
2. Explain restoration priorities.

Performance Standard. The instructor will verbally inform the trainee of three radio, JRE, and data failures. Trainee will brief the instructor on the restoration priority.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116,

2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook

CC-2704      2.0      \*      B      C2 System      L

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Goal. Identify communication problems

Requirement. Given an operational C2 system and a scenario with verifiable communications problems:

1. Identify net restoration/maintenance priorities.
2. Determine the communications problems
3. Determine source of the communication problem:
  - a. Operator error
  - b. System degradation
  - c. System jamming
  - d. System intrusion
  - e. System interference
4. Initiating appropriate action and/or reports to correct the problem.

Performance Standard. Complete requirement items IAW the reference; minor errors corrected by the trainee are acceptable. Instructor may evaluate trainee on naturally occurring communication problems without a scenario should they occur.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162,

2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. Comm Section Support

Reference.

1. MCRP 3-40.3B, Radio operator's handbook
2. MCRP 3-40.3C, Antenna Handbook
3. MCWP 3-40.3, Communications and Information Systems

CC-2706      4.0      1460      B,R,M      L

Goal. Conduct a crew changeover

Requirement. Given a scenario, supporting documentation, an operational TAOC with a passage of control checklist, demonstrate the ability to effectively conduct the following tasks while managing a TAOC crew:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.
4. Maintain a log of significant events.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the TAOC is complete and accurate and routed to the appropriate agency.
7. Ensure situational displays are maintained accurately.
8. File all forms and conduct an operational summary daily.
9. Ensure equipment status reports are completed daily.
10. Ensure crewmembers are being trained and evaluated.
11. Conduct a passage of control as necessary.

Performance Standard. Conduct duties of a Crew Chief (requiring minimal input from the instructor) while a TAOC passes or receives control of airspace.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018,



2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058,  
2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116,  
2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162,  
2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352,  
2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422,  
2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600,  
2650, 2652, 2700, 2702, 2704, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250,  
6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022,  
8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086,  
8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255,  
6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066,  
8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook

CC-2708      1.5      \*      B      L

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Goal. Conduct TAOC site selection/map survey

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and a general location, select a site that will support TAOC operations and draw a site diagram accounting for the following considerations:

1. Identify environmental concerns that may affect TAOC communication.
2. Site security.
3. Camouflage and dispersion.
4. Trafficability.
5. Location of communications and support equipment.
6. Priority for equipment emplacement.
7. Echelon considerations.
8. Identify composition of the Pre-deployment site survey team.
9. Identify alternate sites.

Performance Standard. Brief the instructor and answer questions on the site selected.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018,

2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064,  
2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122,  
2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202,  
2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402,  
2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504,  
2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910,  
2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004,  
8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028,  
8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255,  
6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066,  
8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. TM 10576C-OI/1, Communication Interface System CAC2S(V)3
4. TM 10576D-OI, Communication Interface System CAC2S(V)4

CC-2710      1.5      \*      B      S/L

Goal. Prepare a plan for TAOC displacement operations

Requirement. Given a scenario-based Tactical Decision Game (TDG):

1. Define TAOC displacement operations.
2. Explain the steps of TAOC displacement operations IAW the references.
3. Write a plan for the TAOC to displace, annotate identified issues of concern.

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee. The written plan must support the scenario.

Instructor. BI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018,  
2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064,  
2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122,  
2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202,  
2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402,  
2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504,  
2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910,



8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028,  
8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255,  
6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066,  
8067

Ordinance. None.

Range. None.

External Syllabus Support. S-6, S-4, MT/UT, 7210

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.5, TAOC Handbook
3. MCO 3501.9B,R, Marine Corps Combat Readiness Evaluation System
4. MCWP 5-1, Marine Corps Planning Process (MCP)
5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual

11.10.17 Detachment Chief (DCHF)

11.10.17.1 Purpose. To develop proficiency in crew and system management involved in TAOC operations.

11.10.17.2 General

Admin Notes. None.

Prerequisites. None.

Crew Requirement. None.

DCHF-2800 1.0 \* B L

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Goal. Supervise emplacement of the TAOC

Requirement. Given a site diagram with notation, a TAOC crew, a Communication electronics crew, support personnel, and TAOC equipment, perform the following:

1. Coordinate site security.
2. Camouflage equipment and site.

Performance Standard. Emplace a TAOC IAW with the site diagram.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Comm Section, support personnel

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. TM 10576C-OI/1, Communication Interface System CAC2S(V)3
4. TM 10576D-OI, Communication Interface System CAC2S(V)4

DCHF-2802 1.0 \* B L

Goal. Develop and execute a load plan

Requirement. Given a movement order, Equipment Density List (EDL), and manning document:

1. Examine available personnel, equipment, vehicles, and trailers.
2. Determine priorities for loading and unloading based on position occupation plan.
3. Determine convoy order based on position occupation plan.
4. Graphically display personnel and equipment carried in each vehicle or trailer.
5. Ensure classified cargo, sensitive cargo, and hazardous material (HAZMAT) is properly loaded.
6. Establish bump plan for personnel, equipment, and classified material should vehicle/trailer become disabled.
7. Conduct Pre-Combat Inspections (PCI).
8. Coordinate with supporting sections to produce: BOM, EDL, LSR, physical security of the site

Performance Standard. Conduct all the items in accordance with the references.

Instructor. BI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. FM 4-01.011 Unit Movement Operations

11.10.18 Command and Control Systems (C2SYS)

11.10.18.1 Purpose. To develop proficiency in utilizing the command and control systems used in TAOC operations.

11.10.18.2 General

Admin Notes. Command and control system events are located in the MAWTS-1 C3 Course Catalog in order to maintain standardized training across the MACCS. The table below lists all C2SYS events that are to be completed by personnel, position dependent:

EVENT CODE	EVENT NAME	POSITION	PRE-REQS
C2SYS-2910	Use the Execution Status and Monitoring (ESTAT) tool	AC, SO, TATC	None
C2SYS-2940	Set up and establish communications utilizing tactical chat	CC, AC, SO, AIC	None
C2SYS-2941	Operate Web Development Software (i.e. SharePoint)	CC, AC	None
C2SYS-2943	Operate the Joint Range Extension Gateway	CC, DLC	None

Prerequisite. None.

Crew Requirements. None

11.11 MISSION SKILL TRAINING (3000)

11.11.1 Purpose. Mission Skill training consists of advanced events that provide training on processes within the TAOC and develop the ability of the 7236 to perform their duties as a member of a TAOC crew while conducting TAOC operations. After designation as an Interface Controller or Air Controller, the 7236 will train in crew leadership and employment along side a student or qualified SAD.

11.11.2 General

11.11.2.1 Prerequisite

(1) The EQUIP stage must be completed prior to conducting mission skills training.

(2) Completion of all Core Skill events required for the respective crew position.

11.11.2.2 Admin Notes

(1) During the 7236s focused training in Interface Coordination or Air Control, cross training is encouraged.

(2) For the culmination mission skill event (evaluation of knowledge, skills and attitudes prior to recommendation for qualification), only C2 systems found on the MACS Table of Equipment will be used.

11.11.2.3 Stages. The following stages are included in the Core Skill Phase of training:

PAR NO.	STAGE NAME
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11.11.3	ACADEMICS (ACAD)
11.11.4	ASSISTANT CONTROLLER (AC)
11.11.5	SURVEILLANCE OPERATOR (SO)
11.11.6	TACTICAL AIR TRAFFIC CONTROLLER (TATC)
11.11.7	DATA LINK COORDINATOR (DLC)
11.11.8	AIR INTERCEPT CONTROLLER (AIC3)
11.11.9	DEEP AIR CONTROLLER (DAC)
11.11.10	MISSILE CONTROLLER (MC)
11.11.11	CREW CHIEF (CC)
11.11.12	DETACHMENT CHIEF (DCHF)

11.11.3 ACADEMICS (ACAD)

11.11.3.1 Purpose. To provide standardized training for the 7236 operating tactical data systems in the TAOC.

11.11.3.2 General

Admin Notes. None.

Prerequisites. None.

Crew Requirements. None.

ACAD-3000 6.0 \* B E G

Goal. State the responsibilities for, planning, and operating procedures for the Multi-Link Interface

Requirement. Given the reference:

1. State the concept and information exchange within the Multi-Link Interface.
2. List the technical functions of the Multi-Link Interface.
3. List the three elements of the Multi-Link Interface.
4. Define the following Interface Units:
  - a. Interface Unit (IU)
  - b. JTIDS/MIDS Unit (JU)
  - c. Command and Control JTIDS/MIDS Unit (C2JU)
  - d. Non-Command and Control JTIDS/MIDS Unit (Non-C2JU)
  - e. Participating Unit (PU)
  - f. Reporting Unit (RU)
  - g. Supporting Unit (SU)
  - h. Forwarding JTIDS/MIDS Unit A (FJUA)
  - i. Forwarding JTIDS/MIDS Unit B (FJUB)
  - j. Forwarding JTIDS/MIDS Unit AB (FJUAB)
  - k. Forwarding Participating Unit (FPU)
  - l. Forwarding Reporting Unit (FPU)
  - m. Concurrent Interface Unit (CIU)
5. Define the Basic Interface and list its three data links.
6. Define the Extended Interface.

7. Define the following interface voice coordination nets:
  - a. Air Defense Command and Control Net (ADCCN)
  - b. Engagement Coordination Net (ECN)
  - c. Data Link Coordination Net (DCN)
  - d. Track Supervision Net (TSN)
  - e. Voice Product Net (VPN)
8. Define Data Forwarding.
9. Define Current Operations.
10. Define Data Looping.
11. State the purpose of the following data registrations:
  - a. Geodetic registration
  - b. Sensor registration
  - c. Remote Interface unit (IU/JU) registration
12. State the purpose of the Operational Tasking Links (OPTASK LINK) message.
13. State the purpose of the Common Message Processor (CMP) and discuss its relationship to the OPTASK LINK.
14. Define the following prearranged data items:
  - a. Interface Unit (IU) Addresses, to include legal ranges
  - b. Track Number (TN) Allocation, to include legal ranges
  - c. Data filters, to include usages
  - d. Adaptive values
15. Describe the delegation of responsibilities for the conduct of Multi-Link operations at the Joint Task Force (JTF) level and below.
16. Define the responsibilities of the Joint Data Network Officer and list the subordinate networks he/she has the responsibility of coordinating and integrating information within.
17. List the eight Interface Control Officer planning functions.
18. List the two Interface Control Officer execution functions.
19. State the responsibilities of the Link 16 Manager.
20. State the responsibilities of the Link 11/11B Manager.
21. State the responsibilities of the Track Data Coordinator.
22. List the minimum requirements for Services that operate the Multi-Link Interface.
23. List the typical planning input requirements for the following areas:
  - a. Operational environment
  - b. Interface participants
  - c. Capabilities and limitations of supporting tactical data links

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website <https://standmgt.disa.mil/restricted/usmtf/>



ACAD-3006 4.0 1095 B,R,M E G

Goal. Identify TDL capabilities of Joint Tactical Data Systems (TDS)

Requirement. Given the references, identify the TDL capabilities of the following:

1. US Army
  - a. Air and Missile Defense Battalion (AMD BN) Composite
  - b. Air and Missile Defense Theater High Altitude Air Defense Battery (AMD THAAD)
  - c. Air Defense Airspace Management (ADAM) Cell
  - d. Joint Tactical Ground Station (JTAGS)
2. US Navy
  - a. E-2C Group II
  - b. F/A-18E/F (MIDS)
  - c. EA-18G (MIDS)
  - d. Model 5 (CV, LHD, CG, DDG)
  - e. Model 4 (CG, FFG, LCC)
3. US Air Force
  - a. CRC/MCE
  - b. E-3
  - c. F-15A thru E
  - d. E-8C
  - e. RC-135 RIVET JOINT and COBRA BALL
4. US Marine Corps
  - a. F/A-18A++, C, D
  - b. EA-6B ICAP III (see US Navy references)

Performance Standard. Pass an exam.

Instructor. SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. <https://cnl.>, NAVSEA Tactical Data Systems Capabilities and Limitations website (SIPR)

ACAD-3012 1.0 \* B E G

Goal. State capabilities and limitations of the threat surface-to-air missile systems

Requirement. Given the references, for each threat surface-to-air missile systems listed in reference (b), state the following:

1. Capabilities
2. Limitations

3. Associated missile
4. Early warning & target engagement radars
5. Minimum & maximum recommended intercept ranges
6. Minimum & maximum recommended intercept altitudes
7. Countries each system has been proliferated to.

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. AFTTP 3-1.2, Chapter 5 & 10, threat Reference Guide and Countertactics
2. TOPGUN MANUAL, Surface-to-Air threat and Countertactics
3. MSIC Website (<http://www.msic.dia.smil.mil>)
4. ONI Foreign Naval Capabilities and Systems Handbook ([http://seawolf.nmic.navy.smil.mil/PRODUCTS/201108\\_niddvd/?clid=155](http://seawolf.nmic.navy.smil.mil/PRODUCTS/201108_niddvd/?clid=155))

ACAD-3014 1.0 \* B E G

Goal. Discuss mission sets and associated terms

Requirement. Given the references, discuss the advantages and disadvantages of the following mission sets and associated terms:

1. Defense-in-Depth Strike
2. Force Concentration Strike
3. Multiple Axis Strike
4. Push Point
5. Timing Control Point
6. Decision Point
7. Initial Point
8. Egress Control Point
9. Egress Flow Point
10. Striker Targeting Tool
11. Target Area Commit

Performance Standard. Pass an exam.

Instructor. AICI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. JP 3-01.4 Joint SEAD
2. NTTP 3-03.4 Naval Strike and Air Warfare, Chapter 4
3. TOPGUN MANUAL, Laser Guided Weapons, Chapter 35
4. TOPGUN MANUAL, Direct Attack Weapons, Chapter 36
5. TOPGUN MANUAL, Standoff Weapons, Chapter 37
6. TOPGUN MANUAL, Large Force Employment, Chapter 43
7. TOPGUN MANUAL, FA-18 Air-to-Surface Fundamentals, Chapter 44

11.11.4 Assistant Controller (AC)

11.11.4.1 Purpose. To teach Marines how to assist the TATC, AIC and DAC in the execution of their assigned duties.

11.11.4.2 General

Admin Notes. This stage of training may be conducted concurrently with other stages.

Prerequisite. 2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212

Crew Requirement. None.

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AC-3200      8.0      \*      B      C2 System      L/S

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Goal. Perform as an Assistant Controller to the TATC

Requirement. Given an operational documents and C2 system, assist the TATC in:

1. Produce a TATC log
2. Maintain a TATC log.
3. Conduct external/internal handovers.
4. Identify safety of flight issues
5. Maintain symbol management of aircraft
6. Conduct digitally aided control.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

AC-3202      8.0      \*      B      C2 System      L/S

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Goal. Perform as an Assistant Controller to the AIC

Requirement. Given a C2 system and operational documents, assist the AIC in:

1. Enter all database items required
2. Manage symbols
3. Conduct digitally aided control
4. Provide the AIC with threat information to include:
  - a. Number of group
  - b. Target altitude
  - c. Target heading
  - d. Formation and tactics
  - e. Target aspect (hot, cold, capping, etc)
5. Identify safety of flight information
6. Compile and forward applicable engagement reports
7. Notify the AIC when new additional, pop-ups, and threat groups are identified
8. Update and manage all weapon system inputs
9. Conduct IFF/SIF checks

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

AC-3204      8.0      \*      B      C2 System      L/S

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Goal. Perform as an Assistant Controller to the DAC

Requirement. Given a C2 system and operational documents, assist the DAC in:

1. Provide external/internal handovers
2. Manage symbols
3. Update external agencies on mission status
4. Receive and forward Battle Damage Assessment (BDA)

5. Provide tasking information for aircraft to the DAC
6. Update and manage all weapon system inputs

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

AC-3206      8.0      1095      B,R,M    E              C2 System      L/S

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Goal. Perform as the Assistant Controller

Requirement. Given an C2 system and operations documents, assist the TATC, AIC or DAC in:

1. Production of a TATC log.
2. Manage the TATC log by tracking all aircraft under the control of your section.
3. Assist in the conduct of external/internal handovers.
4. Maintain proper symbol management of aircraft under the control of your section.
5. Enter all database items required for the mission.
6. Provide threat information.
7. Update external agencies on mission status via IRC or other C2 systems.
8. Receive and forward Battle Damage Assessment (BDA).
9. Assist the controller during an aircraft emergency

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified AC

Prerequisite. 2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 3200, 3202, 3204

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, TAOC Handbook

11.11.5 Surveillance Operator (SO)

11.11.5.1 Purpose. To train the 7236 on the techniques required to produce and maintain the accuracy, currency and quality of track data that is received and transmitted by the Tactical Air Operations Center (TAOC). The SO will coordinate with perform duties including, but not limited to assisting the Surveillance Director with radar optimization, conducting data registration, interface anomaly resolution, combat identification, and electronic protection feature operations.

11.11.5.2 General

Admin Notes. None.

Prerequisite. 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Crew Requirement. A core skill proficient surveillance section.

SO-3300      8.0      \*      B,R      C2 System      L

Goal. Perform track data coordination/management function

Requirement. Given the references and an operational C2 system:

1. Perform net control station (NECOS) responsibility on the Track Supervision Net (TSN)
2. Coordinate the changes in TAOC's track production area as the tactical situation changes
3. Coordinate the TAOC's usage of data filters
4. Coordinate the TAOC's usage of special points, lines, and areas on the Multi-Link Interface
5. Conduct manual correlation of local and remote track data
6. Perform the resolution of the following interface anomalies:
  - a. Dual designations
  - b. Duplicate tracks
  - c. Identification conflicts
  - d. Category and environment conflicts
7. Utilize data link orders to assist in the resolution of interface anomalies

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SD, SI qualified SO

Prerequisite. 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034,

2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDL capable agencies with the ability to output sensor data. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01\_ Joint Multi-Tactical Data Link Operating Procedures (JMTO) Manual

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SO-3302      8.0      \*      B,R      C2 System      L

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Goal. Perform combat identification functions

Requirement. Given the reference and an operational C2 system:

1. Conduct briefed identification and classification procedures
2. Adhere to published identification criteria and Rules of Engagement when evaluating unknown contacts
3. Conduct symbol management with a focus on data entry and amplifying track identification
4. Coordinate with external electronic identification platforms to obtain track identification information
5. Configure the Warfighter console global alert and track/contact/IFF Doctrine functions to supplement combat identification functions

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SD, SI qualified SO

Prerequisite. 2000, 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. TDL capable agencies with the ability to output sensor data. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01\_ Joint Multi-Tactical Data Link Operating Procedures

(JMTOPI) Manual

SO-3304 8.0 \* B,R C2 System L

Goal. Perform Electronic Warfare (EW) operations

Requirement. Given the references and an operational C2 system:

1. Enter TAOC EMCON plan and missile thresholds in the database
2. Detect, identify and report any jamming to the CC
3. Compile, forward, and file as appropriate, a Joint Spectrum Interference Resolution (JSIR) report
4. Fix location of threat jammers with proper symbology (strobes/air tracks)
5. React to EMCON alert and implement TAOC EMCON plan per SD direction
6. Coordinate with the radar section to optimize radar performance in an EW environment

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified SD, SI qualified SO

Prerequisite. 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Radar Section

Reference.

1. CJCSM 6120.01\_ Joint Multi-Tactical Data Link Operating Procedures (JMTOPI) Manual

SO-3306 8.0 1095 B,R,M E C2 System L

Goal. Perform as an SO

Requirement. Given the references and an operational C2 system:

1. Establish communications with all track producers on the track data coordination net or other approved means of communication
2. Direct and supervise the conduct of fidelity drills
3. Enforce tracking responsibilities per the OPTASK LINK or other published directive
4. Identify the root cause and resolve any dual designations
5. Conduct any other track data management duties as directed by the Interface Control Officer



Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation). Minor errors corrected by the trainee are acceptable.

Instructor. BI qualified SO, SI qualified SD

Prerequisite. 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. TDL capable agencies with the ability to output sensor data. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01\_ Joint Multi-Tactical DataLink Operating Procedures (JMTOP) Manual

#### 11.11.6 Tactical Air Traffic Controller (TATC)

11.11.6.1 Purpose. To train the TATC to perform airspace control within the TAOC's assigned sector for all missions not controlled by the AIC.

#### 11.11.6.2 General

Admin Notes. None.

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Crew Requirement. A core skill proficient weapons section.

TATC-3350 8.0 1095 B,R,M E C2 System L/S

Goal. Perform as TATC

Requirement. Given a C2 system and while performing as a TATC during a live training evolution:

1. Enter and maintain the traffic database per WD direction
2. RIO aircraft, to include:
  - a. Covered Comm
  - b. Authentication procedures
3. Conduct SIF/Mode IV checks on all applicable aircraft
4. Conduct external/internal handovers of aircraft as required

5. Conduct Aerial Refueling (AR) operations:
  - a. Route tanker on the appropriate track and provide flight following as required
  - b. Execute the slide/retrograde plan as the threat dictates or per WD direction
  - c. Monitor, record and report tanker fuel status
  - d. Route aircraft to the tanker
  - e. Route aircraft departing the tanker
6. Route all UAS within assigned airspace while deconflicting with manned aircraft
7. Maintain proper symbol management
8. Maintain appropriate TATC logs

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI qualified TATC

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. Airspace capable of conducting air-to-air engagements.

External Syllabus Support. Aircraft, DASC, TACC, 7210

Reference.

1. Squadron SOP
2. U-TAOC-PCL-03862 Pocket Checklist
3. MCWP 3-25.7, Tactical Air Operation Center (TAOC) Handbook

11.11.7 Data Link Coordinator (DLC)

11.11.7.1 Purpose. To train the 7236 in the coordination and employment of the tactical data links organic to the TAOC.

11.11.7.2 General

Admin Notes. None.

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirements. A core skill proficient surveillance section.

DLC-3400      8.0      \*      B      C2 System      L

Goal. Conduct tactical data link coordination

Requirement. Given a C2 system and a radar in a multi-TDL environment:

1. Ensure data link database entries are entered and correct
2. Ensure TAOC data link equipment is configured
3. Ensure TAOC cryptographic equipment is keyed
4. Enter and activate filters in accordance with the OPTASK LINK
5. Activate TDLs as directed by SD
6. Evaluate TDL performance and recommend needed changes to SD
7. Maintain a visual depiction of the TAOC's TDL architecture
8. Coordinate with external agencies in the conduct of multi-TDL operations

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation).

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. TDL capable agencies. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01\_ Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Users Guide
3. MCWP 3-25.7, TAOC Handbook

DLC-3402      8.0      1095      B,R,M      E      C2 System      L

Goal. Perform as a DLC

Requirement. Given a multi-TDL environment, and operational documents:

1. Operate and troubleshoot the following tactical data links:
  - a. Link 11
  - b. Link 11B
  - c. Link 16, to include JREAPs
2. Conduct all required logbook entries

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation).

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. TDL capable agencies. Agencies must have at least one operational Link 11, Link 11B, Link 16, or JREAP. Extended interface links are not applicable.

Reference.

1. CJCSM 6120.01\_ Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Usres Guide
3. MCWP 3-25.7, TAOC Handbook

#### 11.11.8 Air Intercept Controller (AIC3)

11.11.8.1 Purpose. To provide the AIC with communication skills, procedures, and tactics associated with Ground Control Intercepts (GCI).

#### 11.11.8.2 General

##### Admin Notes

(1) Missions will be executed per ROE established by published AAW directives, operational planning orders/documents, or individual mission briefs.

(2) For evaluation purposes, a mission will consist of a fighter mission brief to the AIC, AIC brief to the AICI, execution of the event, AIC debrief to the AICI, and fighter mission debrief to the AIC. Briefing and debriefing standards will be the TOPGUN MANUAL.

(3) The primary weapon system will be used.

(4) Live AIC events will be accomplished in conjunction with events from the F/A-18 T&R Manual (NAVMC 3500.50\_) that require ground-controlled intercepts (GCI). Weapons and Tactics Training Program (WTTTP) Officers should coordinate with fighter squadrons to accomplish these events.

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202,

2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2568, 2570, 2910, 2940, 2941, 3012, 3014, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirement. Core skill proficient weapons section.

AIC3-3500 1.0 \* B,R L

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Goal. Conduct N/GTD brief for a division

Requirement. Given the references, conduct N/GTD AIC briefing lab adhering to the following criteria using proper whiteboard setup, symbology and tactical scenario for a division of fighters, addressing the following information:

1. Goals of N/GTD tactics
2. Basic employment of each type of defense
3. Division simultaneous targeting contracts
4. Meanings and tactical implications of Medium and High risk mindsets
5. Construct and discuss the SAR-1 Basic timeline
6. Discuss all targeting for both the ingress and egress to include the following:
  - a. Single Group
  - b. Single Group Stack
  - c. 2 Groups Range
  - d. 2 Groups Azimuth
  - e. 3 Groups Wall
  - f. 3 Groups Champagne
  - g. 3 Groups Vic
7. Target area commit and AIC's responsibilities

Performance Standard. Conduct brief with the AICI IAW the references.

Instructor. AICI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2568, 2570, 2910, 2940, 2941, 3012, 3014, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOGPUN AAMP Gouge
3. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2
4. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
5. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

AIC3-3502 1.0 \* B,R L

Goal. Conduct DTD brief for a division

Requirement. Given the references, conduct DTD AIC briefing lab adhering to the following criteria using proper whiteboard setup, symbology and tactical scenario for a division of fighters, addressing the following:

1. Goals of DTD tactics
2. Employment considerations
3. Construct and discuss the SAR-2/AR-1 MOR timeline
4. Traditional labels as well as leading edge comm
5. Requirements and capabilities in order for AIC to provide a leaning on assessment
6. All hot and cold targeting examples to include the following
  - a. Single Group
  - b. Single Group Stack
  - c. 2 Groups Range
  - d. 2 Groups Azimuth
  - e. 3 Groups Wall
  - f. 3 Groups Champagne
  - g. 3 Groups Vic
7. DTD VID execution
8. Patriot handoff procedures
9. Patriot employment considerations

Performance Standard. Conduct brief with the AICI IAW the references.

Instructor. AICI

Prerequisite. 2000, 2008, 2012, 2026, 2028,2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2568, 2570, 2910, 2940, 2941, 3012, 3014, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TOPGUN Fleet Recommendations
2. TOGPUN AAMP Gouge
3. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2

4. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
5. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

AIC3-3504 4.0 1095 B,R,M E C2 System L

Goal. Perform AIC functions with a division of fighter aircraft

Requirement. Given C2 systems control a division of fighter aircraft against unknown threat provide the following:

1. Use of correct communications format
2. Demonstration of fighter timeline awareness
3. Demonstrate proactive involvement
4. Demonstrate listening and comprehension skills
5. Proper use of scope mechanics, interpretation and utilization (from system utilized)

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. AICI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2568, 2570, 2910, 2940, 2941, 3012, 3014, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. Airspace capable of conducting air-to-air engagements.

External Syllabus Support. Fighter aircraft with two or more adversaries.

Reference.

1. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8s
2. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42

#### 11.11.9 Deep Air Controller (DAC)

11.11.9.1 Purpose. The DAC is responsible for targeting, weaponeering, and general safety of flight for aircraft.

#### 11.11.9.2 General

Admin Notes. For evaluation purposes, a mission will consist of a brief, execution and debrief of each event.

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirement. A core skill proficient weapons section

DAC-3600 6.0 1460 B,R,M E C2 System S/L

Goal. Control aircraft in deep air operations

Requirement. Given requisite communications equipment and a scenario involving aircraft in deep air operations:

1. Control Armed Reconnaissance (AR) aircraft
2. Control Strike Coordination and Reconnaissance (SCAR) aircraft
3. Control Air Interdiction (AI) aircraft.
4. Control Suppression of Enemy Air Defenses (SEAD) aircraft.
5. Coordinate aerial refueling operations.
6. Conduct handovers with adjacent and external agencies.
7. Control and deconflict MAGTF and Joint aviation assets.
8. Deconflict long-range surface fires
10. Receive and forward Inflight/Pilot Reports (IFREP/PIREP)
11. Receive requests for air support

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. Ground and air spaces capable of conducting deep air support missions.

External Syllabus Support. Aircraft performing a DAS mission.

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook



2. MCWP 3-25.5, Direct Air Support Center (DASC) Handbook

11.11.10 Missile Controller (MC)

11.11.10.1 Purpose. To provide the 7236 with the communication skills, procedures, and tactics to control GBAD assets.

11.11.10.2 General

Admin Notes. None.

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Crew Requirement. A core skill proficient weapons section.

MC-3650      4.0      1460      B,R,M              E              C2 System      S/L

Goal. Perform manual MC functions

Requirement. Given a C2 System, and without a data link, coordinate missile control with GBAD units:

1. Conduct manual assignments against air threats
2. Disseminate appropriate Weapons Control Status (WCS), Air Defense Warning Condition (ADWC), and States of Alert (SOA)
3. Monitor and post status of Firing Unit (FU)
4. Coordinate TAOC Theater Missile Defense (TMD) capabilities and limitations and interface with GBAD units
5. Conduct cross boundary coordination
6. Compile and forward all engagement reports

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087,

8088

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-22, Antiair Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
4. MCWP 3-25.10, Low Altitude Air Defense (LAAD) Gunner's Handbook

MC-3652      4.0      1460      B,R,M      E      C2 System      S/L

Goal. Perform MC functions

Requirement. Given a TAOM and with a data link, coordinate missile control with multiple GBAD units:

1. Use data link orders to conduct assignments against multiple air threats
2. Conduct manual assignments against air threats
3. Disseminate appropriate Weapons Control Status (WCS), Air Defense Warning Condition (ADWC), and States of Alert (SOA)
4. Monitor and post FU status
5. Coordinate TAOC TMD capabilities and limitations and interface with GBAD units
6. Conduct cross boundary coordination
7. Compile and forward all engagement reports

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. TDL capable GBAD unit

Reference.

1. MCWP 3-22, Antiair Warfare
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook
4. MCWP 3-25.10, Low Altitude Air Defense (LAAD) Gunner's Handbook

11.11.11 Crew Chief (CC)

11.11.11.1 Purpose. To develop proficiency in crew and system management involved in TAOC operations. At the completion of this stage of training, individuals will be recommended for qualification as a TAOC Crew Chief.

11.11.11.2 General

Admin Notes. None.

Crew Requirement. None.

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

CC-3700 1.5 \* B,R L

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Goal. Assist in the conduct of a site survey

Requirement. Given a scenario, applicable references, a TO/E and mission statement, determine an appropriate site for system emplacement, at a minimum:

1. Determine a primary and secondary site location
2. Identify obstructions and hazards
3. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF), Hazardous Electronic Radiation to Ordinance (HERO), and Hazardous Electronic Radiation to Personnel (HERP) regulation
4. Identify power and fuel requirements
5. Design a site layout

Performance Standard. Complete each requirement item while working with an SAD. The trainee will provide the instructor with reasoning for the following (instructors are encouraged to discuss site survey in depth with the trainee):

1. Selection of the primary and secondary site.
2. Site limitations for each site (if any).
3. How each site will support mission requirements.
4. Determine a security plan.

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. 7210

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook

CC-3702 10.0 \* B C2 System L

Goal. Perform system troubleshooting

Requirement. Given a faulted C2 system and communications equipment, and a functioning radar:

1. Reset failed components of a C2 system in order to sustain operations
2. Utilize system fault isolation functions to locate and re-configure around faulted system components
3. Reconfigure voice communications equipment to correct deficiencies

caused by faults

4. Serve as a liaison to ensure continuity of effort in facilitating the TAOC or EW/C crew with functional equipment

a. Liaison with maintenance for the status of OPFAC and OPFAC support equipment

b. Liaison with communications to ensure modifications or corrections to external communications assets are properly implemented

c. Liaison with utilities personnel to coordinate mobile electric power (MEP) fuel status, refuel times, and maintenance intervals with operations vulnerability periods

5. Identify the communications nets for recording and assist in the operation of the Digital Voice Recorder (DVR), to include:

a. Voice recording

b. Recording playback

c. Recording extraction to media

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook

CC-3704      10.0    1095    B,R,M            E            C2 System    L/S

Goal. Perform Crew Chief functions

Requirement. Given a scenario, supporting documentation, an operational TAOC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct crew brief
2. Identify system failures/degradations:
  - a. Troubleshoot and perform fault isolation
  - b. Utilize corrective action
  - c. Coordinate with maintenance to resolve system issues
3. Implement casualty procedures/restoration plan as the situation dictates
4. Implement system configuration plan
5. Record events during crew watch in appropriate reports and logbooks

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. SI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

**AND**

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

**OR**

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center (TAOC) Handbook

11.11.12 Detachment Chief (DCHF)

11.11.12.1 Purpose. To develop proficiency in crew and system management involved in TAOC operations. At the completion of this stage of training, individuals will be recommended for qualification as a TAOC Crew Chief.

11.11.12.2 General

Admin Notes. None.

Crew Requirement. None.

Prerequisite. None.

DCHF-3800 1.0 1460 B,R,M S/L

Goal. Prepare a plan for Phasing Control Ashore

Requirement. Given a scenario-based TDG, demonstrate the following:

1. Define phasing control ashore
2. Explain each step of phasing control ashore
3. Determine common issues of concern
4. Write a plan to phase control ashore, annotate identified issues of concern

Performance Standard. Complete all the requirement items while working with an SAD. Instructor will discuss each item with the trainee. The written plan must support the scenario.

Instructor. BI

Prerequisite. 2800, 2802

Ordnance. None.

Range. None.

External Syllabus Support. 7210

Reference.

1. MCWP 3-25.7, TAOC Handbook
2. U-TAOC-PCL-03862 Pocket Checklist
3. MCWP 5-1, Marine Corps Planning Process (MCPPE)
4. MAGTF Operations Ashore
5. JP 3-02 Joint Doctrine for Amphibious Operations
6. MCO 3501.9B Marine Corps Combat Readiness Evaluation System

11.12 CORE PLUS TRAINING (4000)

11.12.1 Purpose. Core Plus Skills are intended to train the individual to utilize the tools, systems and/or procedures which have a low probability of execution or are theater specific.

11.12.2 General

11.12.2.1 Prerequisites. None.

11.12.2.2 Admin Notes. None.

11.12.2.3 Stages

PAR NO.	STAGE NAME
11.12.3	DATA LINK COORDINATOR (DLC)
11.12.4	COMMAND AND CONTROL SYSTEMS (C2SYS)

11.12.3 Data Link Coordinator (DLC)

11.12.3.1 Purpose. To provide advanced DLC training in the TAOC.

11.12.3.2 General

Admin Notes. None.

Prerequisite. None.

Crew Requirements. None.

DLC-4400    4.0    \*    B    \_\_\_\_\_    C2 System    L

Goal. Operate Link 11B

Requirement. Given the references, operational documents, and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures
7. Perform net exit procedures
8. Operate in the following modes:
  - a. Limited Transmission of Data (LTD).
  - b. Full Transmission of Data (FTD).

Performance Standard. Successfully exchange tracks.

Instructor. BI

Prerequisite. 2014

Ordnance. None.

Range. None.

External Syllabus Support. Link 11B capable platform(s).



Reference.

1. CJCSM 6120.01\_ Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. MIL STD 6011\_ Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website <https://standmgt.disa.mil/restricted/usmtf/>

DLC-4402      4.0      \*      B      C2 System      L

Goal.    Troubleshoot Link 11B

Requirement.    Given a C2 system with an operational Link 11B:

1. Determine if the internal data path being used for Link 11B is functional
2. Determine if the external data path is established
3. Select and monitor Link 11B messages
4. Recognize and take appropriate action for an incorrect DLRP
5. Recognize and take appropriate action for incorrect crypto
6. Elevate unresolvable issues to the Crew Chief

Performance Standard.    Complete the required items IAW the references. Maintenance and communications personnel may assist with performance standards (1) and (2).

Instructor.    BI

Prerequisite.    None.

Ordnance.    None.

Range.    None.

External Syllabus Support.    TDSA, Comm Section

Reference.

1. CJCSM 6120.01\_, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. MIL STD 6011\_ Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

11.12.4 Command and Control Systems (C2SYS)

11.12.4.1 Purpose.    To develop proficiency in utilizing the command and control systems used in TAOC operations.

11.12.4.2 General

Prerequisite.    None.

Admin Notes.    Command and control system events are located in the MAWTS-1 C3 Course Catalog in order to maintain standardized training across the MACCS. The table below lists all C2SYS events that are to be completed by personnel, position dependent:

<u>EVENT CODE</u>	<u>EVENT NAME</u>	<u>POSITION</u>	<u>PRE-REQS</u>
C2SYS-4921	Operate C2 Personal Computer (C2PC)	AC, SO, AIC, CC	None
C2SYS-4942	Operate Air Defense System Integrator (ADSI)	DLC, CC	None

11.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

11.13.1 Purpose. To provide position qualified personnel the additional skills necessary to instruct, evaluate and recommend for completion / qualification "trainees" within a crew. Upon completion of the required training, an individual may be considered for instructor designation by the Commanding Officer, WTPP Officer, or direct representative as delineated.

11.13.2 General

11.13.2.1 Prerequisite. None.

11.13.2.2 Admin Notes

(1) The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to concepts of managing a WTPP, properly conducting training, performing evaluations, and recommending training plans.

(2) There are six instructor designations (listed below). The intent is to train individuals with different levels and areas of experience to instruct personnel. Instructor experience is also gained while progressing through the different instructor designations.

- i. Basic Instructor (BI)
- ii. Senior Instructor (SI)
- iii. Weapons and Tactics Instructor (WTI)
- iv. Air Intercept Controller Instructor (AICI)
- v. Strike Fighter Tactics Instructor (SFTI)
- vi. Marine Division Tactics Instructor (MDTI)

(3) The MAWTS-1 C3 Course catalog contains the training requirements for each of the three instructors. The catalog is located at the MAWTS-1 website:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/WTI/default.aspx>

(4) The table below outlines the events that each instructor can train, evaluate, and approve or recommend for approval.

<u>INSTRUCTOR</u>	<u>Event Training, Evaluation and Approval</u>
BI	Core Skill events in which current and proficient

SI	Core Skill and Mission Skill events in which current and proficient
WTI	Mission Skill and Qualification events in which current and proficient. - Evaluate and recommend for qualification - Endorse recommendations for position designations
AICI	Core Skill and Mission Skill AIC events in which current and proficient
SFTI	Core Skill and Mission Skill AIC events in which current and proficient
MDTI	Core Skill and Mission Skill AIC events in which current and proficient
Notes	The Commanding Officer is the approving authority for qualifications and designations.

11.13.2.3 Stages. The following stages are included in the Instructor Under Training Phase of training.

PAR NO.	STAGE NAME
11.13.3	INSTRUCTOR UNDER TRAINING (IUT)

11.13.3 INSTRUCTOR UNDER TRAINING (IUT)

11.13.3.1 Purpose. To train the individual Marine in the skills required to lead a period of instruction.

11.13.3.2 General

Admin Notes. None.

Prerequisite. None.

Crew Requirement. None.

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a T&R event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

IUT-5500 20 \* B E G

Goal. State the AIC-related training rules

Requirement. Describe the following training rules:

1. Fixed wing versus fixed-wing training
2. ACM communication requirements
3. Altitude blocks used for ACM training

Performance Standard. Pass an exam.

Instructor. MDTI, SFTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. OPNAV 3710.7U 5.1.10.3.I
2. OPNAV 3710.7U 5.1.10.4
3. OPNAV 3710.7U Appendix M

IUT-5510    1.0    \*    B    E    L

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Goal. Instruct an AIC1

Requirement. While being evaluated, instruct an AIC1 during an AIC brief, execution, and debrief in the following:

1. Accurately respond to questions
2. Recognize and correct any of the following:
  - a. Content - Admin, Mission planning factors, AIC integration and mission specifics
  - b. Visual aids facilitated the conveyance of information
  - c. Delivery / Speaking skills facilitated the conveyance of information
  - d. Demonstrated confidence and knowledge in brief
  - e. Appropriate responses to questions from instructor
  - f. T&R / Doctrine adherence
3. Recognize and correct any errors in fighter timeline awareness
4. Recognize and correct any errors in the proactive involvement
5. Recognize and correct any errors in the listening and comprehension skills
6. Recognize and correct any errors in the scope mechanics, interpretation and utilization
7. Recognize and correct any errors in the communication format
8. Ensure that AIC debrief is IAW reference and appropriate learning points are brought out

Performance Standard. Instruct event correcting all issues IAW references while providing credit for things that were done properly.

Instructor. MDTI, SFTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. Airspace capable of air-to-air engagements.

External Syllabus Support. Fighter aircraft with two or more adversaries.

Reference.

1. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2
2. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
3. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42
4. TOPGUN MANUAL, Air Control Communications, Chapter 47

IUT-5520    1.0    \*    B    E    L

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Goal. Instruct an AIC2

Requirement. While being evaluated, instruct an AIC2 during an AIC brief, execution, and debrief in the following:

1. Accurately respond to questions
2. Recognize and correct any of the following:
  - a. Content - Admin, Mission planning factors, AIC integration and mission specifics
  - b. Visual aids facilitated the conveyance of information
  - c. Delivery / Speaking skills facilitated the conveyance of information
  - d. Demonstrated confidence and knowledge in brief
  - e. Appropriate responses to questions from instructor
  - f. T&R / Doctrine adherence
3. Recognize and correct any errors in fighter timeline awareness
4. Recognize and correct any errors in proactive involvement
5. Recognize and correct any errors in listening and comprehension skills
6. Recognize and correct any errors in scope mechanics, interpretation and utilization
7. Recognize and correct any errors in communication format
8. Ensure that AIC debrief is IAW reference and appropriate learning points are brought out

Performance Standard. Instruct event correcting all issues IAW references while providing credit for things that were done properly.

Instructor. MDTI, SFTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058,

2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. Airspace capable of air-to-air engagements.

External Syllabus Support. Fighter aircraft with two or more adversaries.

Reference.

1. TOPGUN MANUAL, Briefing and Debriefing, Chapter 2
2. TOPGUN MANUAL, FA-18 Air-to-Air Mission Planning, Chapter 8
3. TOPGUN MANUAL, FA-18 Air-to-Air Employment, Chapter 42
4. TOPGUN MANUAL, Air Control Communications, Chapter 47

11.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000)

11.14.1 Purpose. This phase provides for community standardization of TAOC 7236 position qualifications, combat leadership and instructor designations as well as codes for tracking licenses, participation in operations, completing RSO and Machine Gunner Courses, and other skills. This Manual does not contain "one time" certification training requirements.

11.14.2 General

11.14.2.1 Prerequisite. None.

11.14.2.2 Admin Notes

(1) The WTTP shall review the IPR to ensure all required training, documentation and administrative actions have been completed prior to staffing qualifications or designation recommendations for approval.

(2) Only once an individual is qualified or designated in writing, the signed letter filed in the IPR, and all administrative actions are completed will the qualification or designation be effective.

11.14.2.3 Stages. The following stages are included in this Phase of training.

PAR NO.	STAGE NAME
11.14.3	QUALIFICATIONS (QUAL)
11.14.4	CERTIFICATIONS (CERT)
11.14.5	DESIGNATIONS (DESG)
11.14.6	SCHOOL CODES (SCHL)
11.14.7	TRACKING CODES (LIC)

11.14.3 QUALIFICATIONS (QUAL)

11.14.3.1 Purpose. To qualify TAOC/EWC Marines on their ability to perform as crewmembers through evaluation. There is no limit on the amount of system time required before performing a qualification event. Once all prerequisites for a qualification have been completed, the trainee is eligible to proceed to the applicable qualifying event.

11.14.3.2 General

Admin Notes. Policy on attaining, maintaining and regaining a qualification is contained in chapter 2 of reference (a).

Prerequisite. Complete all prerequisites for qualification and be recommended by a WTI.

Crew Requirement. None.

QUAL-6250 0.5 \* B L

Goal. Qualify as an Assistant Controller (AC)

Requirement. Complete the required training in the AC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2008, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6251 0.5 \* B L

Goal. Qualify as a Tactical Air Traffic Controller (TATC)

Requirement. Complete the required training in the TATC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6252 0.5 \* B L

Goal. Qualify as a Deep Air Controller (DAC)

Requirement. Complete the required training in the DAC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6253 0.5 \* B L

Goal. Qualify as an Air Intercept Controller (AIC)

Requirement. Complete the required training in the AIC POI. Be recommended by an AICI (through the WTI) to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A



Instructor. AICI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6254 0.5 \* B L

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Goal. Qualify as a Missile Controller (MC)

Requirement. Complete the required training in the MC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 3650, 3652, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6255 0.5 \* B L

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Goal. Qualify as Data Link Coordinator (DLC)

Requirement. Complete the required training in the DLC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 2943, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 3400, 3402, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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QUAL-6256 0.5 \* B L

Goal. Qualify as a Surveillance Operator (SO)

Requirement. Complete the required training in the DLC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

QUAL-6257 0.5 \* B L

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Goal. Qualify as a Crew Chief (CC)

Requirement. Complete the required training in the CC POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3700, 3702, 3704, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

AND

3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254

OR

2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

#### 11.14.4 Certifications (CERT)

11.14.4.1 Purpose. To provide certifications used within the training of individuals in safety of flight.

#### 11.14.4.2 General

Admin Notes. This is annual training that must be completed by all personnel prior to beginning any live training. This is completed annually or upon transfer to a new unit.

Prerequisite. None.

Crew Requirements. None.

CERT-6275 0.5 365 B,R,M E \_\_\_\_\_ L

Goal. Certify in Local Area Familiarization.

Requirement. Complete the training prescribed in LFAM-2150.

Performance Standard. N/A

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. Unit SOP

11.14.5 Designations (DESG)

11.14.5.1 Purpose. To provide for the designation of combat leaders and instructors.

11.14.5.2 General

Admin Notes. None.

Prerequisite. Complete all designation requirements and be recommended for that designation. However, in the event that a commander deems it necessary to designate someone who has not completed the prerequisite, that person must complete the prerequisite within 6 months from the effective date of designation.

Crew Requirements. None.

DESG-6320 0.5 \* B \_\_\_\_\_ L

Goal. Designation as Basic Instructor (BI)

Requirement. Be recommended for BI designation by a SI or WTI, and designated in writing by the commanding officer.

Performance Standard. N/A

Prerequisite. 5000, 5010, 5020

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6321 0.5 \* L

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Goal. Designation as Senior Instructor (SI)

Requirement. Be recommended for designation by a SI or WTI, and designated in writing by the commanding officer.

Performance Standard. N/A

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6322 0.5 \* B L

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Goal. Designation as Weapons and Tactics Instructor (WTI)

Requirement. Be certified by MAWTS-1 as a WTI and be recommended for designation by the squadron WTI. The commanding officer will designate the WTI in writing.

Performance Standard. N/A

Prerequisite. 6000

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6323 0.5 \* B L

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Goal. Designation as an Air Intercept Controller Instructor (AICI)

Requirement. Be recommended for AICI designation by a SFTI or MDTI to the WTI, and designated in writing by the Commanding Officer.

Performance Standard. N/A

Instructor. MDTI, SFTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162,

2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6324 0.5 \* B L

Goal. Designation as an Strike Fighter Tactics Instructor (SFTI)

Requirement. Be certified by Naval Strike and Air Warfare Center (NSAWC) as a SFTI. Be recommended for designation by the squadron WTI. The Commanding Officer will designate the SFTI in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6078, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6325 0.5 \* B L

Goal. Designation as Marine Division Tactics Instructor (MDTI)

Requirement. Be certified by MAWTS-1 as a MDTI and be recommended for designation by the squadron WTI. The Commanding Officer will designate the MDTI in writing.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6006, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

DESG-6326 0.5 \* B L

Goal. Designation as a Detachment Chief (DCHF)

Requirement. Be recommended for designation by the WTI and be designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2800, 2802, 3800

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

#### 11.14.6 SCHOOL CODES (SCHL)

11.14.6.1 Purpose. To provide tracking codes for required schools and training.

#### 11.14.6.2 General

Admin Notes. The following table reflects skill enhancement training available to TAOC Marines:

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1

SCHL-6006	Marine Division Tactics Course (MDTC)	MCAS Yuma, AZ	
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6026	Joint Interface Control Officer (JICO) (JT-301)	Fort Bragg, NC	N/A
SCHL-6027	Joint Interface Control Center (JICC) (JT-310)	Fort Bragg, NC	N/A
SCHL-6078	USMC TOPGUN AIC Course	Naval Strike and Air Warfare Center (NSAWC)	S-2A-2806

Prerequisite. The individual school houses will maintain the prerequisites for each course that they offer. Refer to Skills Enhancement message and the school house for up to date prerequisites.

Crew Requirements. None.

#### 11.14.7 TRACKING CODES (LIC)

11.14.7.1 Purpose. To provide tracking codes for required licenses and training.

#### 11.14.7.2 General

Admin Notes. These codes serve to track licenses, participation in operations/deployments and completion of the Machine Gunners and RSO courses.

Prerequisite. The individual licensing authority will maintain the prerequisites for each course that they offer.

Crew Requirements. None.

LIC-6400    0.5    \*    B    L

Goal. Track HMMWV licenses

Requirement. Track the M1123 and M1152 HMMWV licenses required for TAOC operations.

Performance Standard. Per the licensing course POI.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.



Reference.

LIC-6405      0.5      \*      B      L

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Goal. Track issuance of MK23 MTRV license

Requirement. Complete MTRV training requirements for MK23

Performance Standard. Per the licensing course POI.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

LIC-6410      0.5      \*      B      L

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Goal. Track issuance of MK27 MTRV license.

Requirement. Complete MTRV training requirements for MK27.

Performance Standard. Per the licensing course POI.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

LIC-6415      0.5      \*      B      L

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Goal. Track explosive and corrosives HMMWV license.

Requirement. Complete explosive and corrosives HMMWV license training requirements.

Performance Standard. Per the licensing course POI.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

11.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

11.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

11.15.2 General

11.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

11.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

11.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
11.15.3	CONDITION (COND)

11.15.3 CONDITION (COND)

11.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

11.15.3.2 General

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Instruction (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
4. Equipment Density List (EDL)

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B,R,M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
7. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordinance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B,R,M L/S

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Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
4. Coordinate site security, camouflage, dispersion, and trafficability
5. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
7. Identify echelon considerations

8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 Pocket Checklist
2. MCWP 3-25.7, TAOC Handbook
3. Squadron SOP

#### 11.16 AVIATION CAREER PROGRESSION MODEL (8000)

11.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)  
Aviation Ground Support  
Joint Air Operations  
ACE Battle Staff  
MAGTF  
Seabased Operations  
Combatant Commander Organizations

#### 11.16.2 General

(1) The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

(2) ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

(3) MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

(4) Completed events shall be manually logged and tracked in M-SHARP.

(5) ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	<b>MACCS</b>		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	<b>ACE</b>		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	<b>THREAT</b>		1	2000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	2000 PHASE
ACPM	8060	<b>MAGTF</b>		1	2000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	2000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	2000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	2000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	2000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	2000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	2000 PHASE
ACPM	8080	<b>JOINT AIR OPERATIONS</b>		1	3000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	3000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	3000 PHASE
ACPM	8085	JOINT TARGETING		4	3000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000 PHASE
<b>TOTAL ACPM STAGE</b>				<b>40</b>	<b>145</b>

11.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
CORE SKILL (2000 Phase)											
Define combat identification	ACAD	2000	*	ACAD	2000					-	-
State the purpose of Interface Coordination	ACAD	2002	*	ACAD	2002					-	-
Define terms associated with Link 11	ACAD	2004	*	ACAD	2004					-	-
Define terms associated with Link 16	ACAD	2006	*	ACAD	2006					-	-
State the characteristics of Tactical Data Links	ACAD	2008	*	ACAD	2008					-	-
Define terms associated with Joint Range Extension Application Protocol (JREAP)	ACAD	2010	*	ACAD	2010					-	-
State the background characteristics of JREAP	ACAD	2012	*	ACAD	2012					-	-
Know the types and purpose of data filters	ACAD	2014	*	ACAD	2014					-	-
Explain the troubleshooting theory	ACAD	2016	*	ACAD	2016					-	-
Define the characteristics of Cooperative Engagement Capability (CEC)	ACAD	2018	*	ACAD	2018					-	-
Identify the characteristics, capabilities and limitations of the Communications Subsystem (CS)	ACAD	2020	*	ACAD	2020					-	-
Identify TAOC communication capabilities	ACAD	2022	*	ACAD	2022					-	-
Define TAOC radio terms	ACAD	2024	*	ACAD	2024					-	-
Identify the purpose of the positions that make up the Air Defense Command Structure	ACAD	2026	*	ACAD	2026					-	-
State the purpose and intent of Rules of Engagement (ROE)	ACAD	2028	*	ACAD	2028					-	-
Define Joint Theater Missile Defense	ACAD	2030	*	ACAD	2030					-	-
Describe aviation operational documents	ACAD	2034	*	ACAD	2034					-	-
Define characteristics of Aviation Ordnance	ACAD	2036	*	ACAD	2036					-	-
Define the characteristics of the Phased Array Tracking Intercept of Target (Patriot) system and how it integrates into an IADS	ACAD	2038	*	ACAD	2038					-	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the characteristics of Navy and USMC Aircraft	ACAD 1	2050	*	ACAD 1	2050					-	-
State the employment considerations for Navy and USMC Aircraft	ACAD 1	2052	*	ACAD 1	2052					-	-
Describe the capabilities of US Air-to-Air Weapons	ACAD 1	2054	*	ACAD 1	2054					-	-
Describe Air Defense terminology	ACAD 1	2056	*	ACAD 1	2056					-	-
Define the following words and concepts	ACAD 1	2058	*	ACAD 1	2058					-	-
Identify formations	ACAD 1	2060	*	ACAD 1	2060					-	-
Identify fighter maneuvers	ACAD 1	2062	*	ACAD 1	2062					-	-
Define communication calls	ACAD 1	2064	*	ACAD 1	2064					-	-
Define Air Intercept Control Communication Terms	ACAD 1	2066	*	ACAD 1	2066					-	-
State the capabilities and limitations of U.S. Air Force Aircraft	ACAD 2	2100	*	ACAD 2	2100					-	-
State the employment considerations for U.S. Air Force Aircraft	ACAD 2	2102	*	ACAD 2	2102					-	-
State the capabilities and limitations of Threat Aircraft	ACAD 2	2104	*	ACAD 2	2104					-	-
Define Threat Missile Terms	ACAD 2	2106	*	ACAD 2	2106					-	-
State the capabilities and limitations of threat missiles	ACAD 2	2108	*	ACAD 2	2108					-	-
State employment considerations for threat missiles	ACAD 2	2110	*	ACAD 2	2110					-	-
Define categories of threat missiles	ACAD 2	2112	*	ACAD 2	2112					-	-
Define fighter support concepts and their purpose	ACAD 2	2116	*	ACAD 2	2116					-	-
State the two types of fighter support concepts and their purpose	ACAD 2	2118	*	ACAD 2	2118					-	-
State the mission planning factors associated with defensive tactics	ACAD 2	2120	*	ACAD 2	2120					-	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State timelines an FA-18 Hornet can be expected to employ	ACAD 2	2122	*	ACAD 2	2122					-	-
State the intercept geometries	ACAD 2	2124	*	ACAD 2	2124					-	-
State how targeting contracts differ based on Acceptable Levels of Risk (ALR)	ACAD 2	2126	*	ACAD 2	2126					-	-
State standard N/GTD targeting for a section of fighters	ACAD 2	2128	*	ACAD 2	2128					-	-
State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics	ACAD 2	2130	*	ACAD 2	2130					-	-
State the delouse options available to Strike Fighter Aircrew	ACAD 2	2132	*	ACAD 2	2132					-	-
Describe when AIC actions will be taken with associated AIC terms	ACAD 2	2134	*	ACAD 2	2134					-	-
State the significance of the maneuvers	ACAD 2	2136	*	ACAD 2	2136					-	-
Brief local restricted areas	LFAM	2150	365	LFAM	2150	LFAM	2150	LFAM	2150	-	-
Emplace and displace the Operations Facility (OPFAC)	EQUIP	2160	*	EQUIP	2160					-	-
Setup organic communications equipment	EQUIP	2162	*	EQUIP	2162					SINGARS Operators' Course (MarineNet) 8064	-
Conduct TAOC duties in a Chemical Biological Radiological Nuclear (CBRN) environment	EQUIP	2164	*	EQUIP	2164					-	-
Produce a TATC log	AC	2200	*	AC	2200					2008, 2012, 2026, 2028	-
Record aircraft handovers	AC	2202	*	AC	2202					2008, 2012, 2026, 2028	-
Make a record of aircraft violating safety of flight protocols	AC	2204	*	AC	2204					2008, 2012, 2026, 2028	-
Maintain system symbology	AC	2206	*	AC	2206					2008, 2012, 2026, 2028	-
Perform as the assistant to the TATC	AC	2208	*	AC	2208					2008, 2012, 2026, 2028	-
Perform as the assistant to the AIC	AC	2210	*	AC	2210					2008, 2012, 2026, 2028	-
Perform as an assistant to the DAC	AC	2212	*	AC	2212					2008, 2012, 2026, 2028	-
Conduct data registration function	SO	2300	*	SO	2300					2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-
Identify information required to maximize organic radar performance	SO	2302	*	SO	2302					2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-



TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct a fidelity drill	SO	2304	*	SO	2304					2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-
Provide flight information for an aircraft emergency	TATC	2350	*	TATC	2350					2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-
Conduct TATC planning	TATC	2352	*	TATC	2352					2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-
Perform TATC functions	TATC	2354	*	TATC	2354					2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-
Operate Link 11	DLC	2400	*	DLC	2400					2004, 2008, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate Link 16	DLC	2402	365	DLC	2402	DLC	2402	DLC	2402	2006, 2008, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Configure the Joint Range Extension-Gateway (JRE-GW)	DLC	2404	365	DLC	2404	DLC	2404	DLC	2404	2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP A	DLC	2406	365	DLC	2406	DLC	2406	DLC	2406	2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP B	DLC	2408	365	DLC	2408	DLC	2408	DLC	2408	2006, 2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP C	DLC	2410	365	DLC	2410	DLC	2410	DLC	2410	2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Troubleshoot Link 11	DLC	2412	365	DLC	2412	DLC	2412	DLC	2412	2004, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot Link 16	DLC	2414	365	DLC	2414	DLC	2414	DLC	2414	2006, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP A	DLC	2416	365	DLC	2416	DLC	2416	DLC	2416	2008, 2010, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2406, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP B	DLC	2418	365	DLC	2418	DLC	2418	DLC	2418	2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP C	DLC	2420	365	DLC	2420	DLC	2420	DLC	2420	2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Conduct tactical data link coordination	DLC	2422	*	DLC	2422					2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2400, 2402, 2404, 2406, 2408, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a section of fighter aircraft using N/GTD	AIC1	2500	*	AIC1	2500					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a section of fighter aircraft using DTG	AIC1	2502	*	AIC1	2502					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a section of fighter aircraft against unknown threat	AIC1	2504	1460	AIC1	2504	AIC1	2504	AIC1	2504	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct an N/GTD brief for a section	AIC2	2550	*	AIC2	2550					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Conduct an FT brief for a division	AIC2	2552	*	AIC2	2552					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform fighter timeline awareness	AIC2	2554	*	AIC2	2554					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC communications	AIC2	2556	*	AIC2	2556					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform proactive involvement	AIC2	2558	*	AIC2	2558					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Respond to fighter requests	AIC2	2560	*	AIC2	2560					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform scope mechanics	AIC2	2562	*	AIC2	2562					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a division of fighter aircraft performing NTD	AIC2	2564	*	AIC2	2564					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a division of fighter aircraft performing DTD/FT	AIC2	2566	*	AIC2	2566					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform AIC functions for a division of fighter aircraft performing NTD	AIC2	2568	*	AIC2	2568					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform AIC functions for a division of fighter aircraft performing DTD/FT	AIC2	2570	*	AIC2	2570					2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Receive and process deep air operations information	DAC	2600	*	DAC	2600					2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform MC functions	MC	2650	*	MC	2650					2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform MC functions	MC	2652	*	MC	2652					2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform TAOC Crew Chief administrative functions	CC	2700	*	CC	2700					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Determine prioritization of communication links	CC	2702	*	CC	2702					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify communication problems	CC	2704	*	CC	2704					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-



TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct a crew changeover	CC	2706	1460	CC	2706	CC	2706	CC	2706	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct TAOC site selection/map survey	CC	2708	*	CC	2708					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Prepare a plan for TAOC displacement operations	CC	2710	*	CC	2710					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Create and supervise the conduct of a TAOC Simulation	CC	2712	*	CC	2712					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-
Supervise emplacement of the TAOC	DCHF	2800	*	DCHF	2800					-	-
Develop and execute a load plan	DCHF	2802	*	DCHF	2802					-	-
Use the Execution Status and Monitoring (ESTAT) tool	C2SYS	2910	*	C2SYS	2910					-	-
Set up and establish communications utilizing tactical chat	C2SYS	2940	*	C2SYS	2940					-	-
Operate Web Development Software (i.e. SharePoint)	C2SYS	2941	*	C2SYS	2941					-	-
Operate the Joint Range Extension Gateway	C2SYS	2943	*	C2SYS	2943					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS		CHAINING	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the responsibilities for, planning, and operating procedures for the Multi-Link Interface	ACAD	3000	*	ACAD	3000					-	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify TDL capabilities of Joint Tactical Data Systems (TDS)	ACAD	3006	1095	ACAD	3006	ACAD	3006	ACAD	3006	-	-
State capabilities and limitations of the threat surface-to-air missile systems	ACAD	3012	*	ACAD	3012					-	-
Discuss mission sets and associated terms	ACAD	3014	*	ACAD	3014					-	-
Perform as an Assistant Controller to the TATC	AC	3200	*	AC	3200					2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-
Perform as an Assistant Controller to the AIC	AC	3202	*	AC	3202					2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-
Perform as an Assistant Controller to the DAC	AC	3204	*	AC	3204					2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-
Perform as the Assistant Controller	AC	3206	1095	AC	3206	AC	3206	AC	3206	2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 3200, 3202, 3204	-
Perform track data coordination/management function	SO	3300	*	SO	3300					2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform combat identification functions	SO	3302	*	SO	3302					2000, 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform Electronic Warfare (EW) operations	SO	3304	*	SO	3304					2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform as an SO	SO	3306	1095	SO	3306	SO	3306	SO	3306	2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Perform as TATC	TATC	3350	1095	TATC	3350	TATC	3350	TATC	3350	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Conduct tactical data link coordination	DLC	3400	*	DLC	3400					2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform as a DLC	DLC	3402	1095	DLC	3402	DLC	3402	DLC	3402	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct N/GTD brief for a division	AIC3	3500	*	AIC3	3500					2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Conduct DTD brief for a division	AIC3	3502	*	AIC3	3502					2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform AIC functions with a division of fighter aircraft	AIC3	3504	1095	AIC3	3504	AIC3	3504	AIC3	3504	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Control aircraft in deep air operations	DAC	3600	1460	DAC	3600	DAC	3600	DAC	3600	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform manual MC functions	MC	3650	1460	MC	3650	MC	3650	MC	3650	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-
Perform MC functions	MC	3652	1460	MC	3652	MC	3652	MC	3652	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-



TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Assist in the conduct of a site survey	CC	3700	*	CC	3700	CC	3700	CC	3700	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform system troubleshooting	CC	3702	*	CC	3702	CC	3702	CC	3702	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-

TAOC MOS 7236											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Perform Crew Chief functions	CC	3704	1095	CC	3704	CC	3704	CC	3704	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088  AND  3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254  OR  2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-
Prepare a plan for Phasing Control Ashore	DCHF	3800	1460	DCHF	3800	DCHF	3800	DCHF	3800	2800, 2802	-
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS		CHAINING	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate Link 11B	DLC	4400	*	DLC	4400					2014	-
Troubleshoot Link 11B	DLC	4402	*	DLC	4402					-	-
Operate C2 Personal Computer (C2PC)	C2SYS	4921	*	C2SYS	4921					-	-
Operate Air Defense System Integrator (ADSI)	C2SYS	4942	*	C2SYS	4942					-	-

11.18 T&R SYLLABUS MATRIX

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)</b>																			
<b>AIR SCHOOL (AIRS)</b>																			
AIRS	1200	Identify characteristics of the Marine Air Command and Control System (MACCS)	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1202	Identify characteristics of the Marine Air Control System (MACS)	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1000
AIRS	1204	Identify characteristics of Aircraft	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	-
AIRS	1206	Configure Tactical Air Operations Center (TAOC) platforms for operations	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1010
AIRS	1208	Operate TAOC voice communications equipment	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1020
AIRS	1210	Operate Command, Control, Communications, Computer and Intelligence (C4I) systems	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1030
AIRS	1212	Perform surveillance functions	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1040
AIRS	1214	Operate Link 11	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1050
AIRS	1216	Operate Link 16	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1070
AIRS	1218	Operate a Beyond Line of Site (BLOS) gateway	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1080
AIRS	1220	Establish a workstation for Traffic functions	B	E	G	-	-	-	*	0	0	0	0.0	-	-	-	-	-	1090
<b>TOTAL AIR SCHOOL (AIRS) STAGE</b>										26	0.0	0	0.0	0	0.0				
<b>CORE SKILL TRAINING (2000 PHASE EVENTS)</b>																			
<b>ACADEMICS (ACAD)</b>																			
ACAD	2000	Define combat identification	B	E	G	-	-	-	*	2.0	0	0	0.0	-	-	-	-	-	2004
ACAD	2002	State the purpose of Interface Coordination	B	E	G	-	-	-	*	1.0	0	0	0.0	-	-	-	-	-	2005
ACAD	2004	Define terms associated with Link 11	B	E	G	-	-	-	*	2.0	0	0	0.0	-	-	-	-	-	2009
ACAD	2006	Define terms associated with Link 16	B	E	G	-	-	-	*	2.0	0	0	0.0	-	-	-	-	-	2008
ACAD	2008	State the characteristics of Tactical Data Links	B	E	G	-	-	-	*	2.0	0	0	0.0	-	-	-	-	-	2008, 2009

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
ACAD	2010	Define terms associated with Joint Range Extension Application Protocol (JREAP)	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	
ACAD	2012	State the background characteristics of JREAP	B	E	G	-	-	-	*		2.0		0		0.0	-	-	2006	
ACAD	2014	Know the types and purpose of data filters	B	E	G	-	-	-	*		1.0		0		0.0	-	-	2012	
ACAD	2016	Explain the troubleshooting theory	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	
ACAD	2018	Define the characteristics of Cooperative Engagement Capability (CEC)	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	
ACAD	2020	Identify the characteristics, capabilities and limitations of the Communications Subsystem (CS)	B	E	G	-	-	-	*		1.5		0		0.0	-	-	-	
ACAD	2022	Identify TAOC communication capabilities	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	
ACAD	2024	Define TAOC radio terms	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	
ACAD	2026	Identify the purpose of the positions that make up the Air Defense Command Structure	B	E	G	-	-	-	*		0.5		0		0.0	-	-	2022	
ACAD	2028	State the purpose and intent of Rules of Engagement (ROE)	B	E	G	-	-	-	*		2.0		0		0.0	-	-	2046	
ACAD	2030	Define Joint Theater Missile Defense	B	E	G	-	-	-	*		1.0		0		0.0	-	-	2021	
ACAD	2034	Describe aviation operational documents	B	E	G	-	-	-	*		1.0		0		0.0	-	-	2011, 2023	
ACAD	2036	Define characteristics of Aviation Ordnance	B	E	G	-	-	-	*		1.0		0		0.0	-	-	2024	
ACAD	2038	Define the characteristics of the Phased Array Tracking Intercept of Target (Patriot) system and how it integrates into an IADS	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	
TOTAL ACADEMICS (ACAD) STAGE										19	27.0	0	0.0	0	0.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>ACADEMICS 1 (ACAD1)</b>																			
ACAD 1	2050	State the characteristics of Navy and USMC Aircraft	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 1	2052	State the employment considerations for Navy and USMC Aircraft	B	E	G	-	-	-	*		1.5		0		0.0	-	-	-	-
ACAD 1	2054	Describe the capabilities of US Air-to-Air Weapons	B	E	G	-	-	-	*		1.5		0		0.0	-	-	-	-
ACAD 1	2056	Describe Air Defense terminology	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	-
ACAD 1	2058	Define the following words and concepts	B	E	G	-	-	-	*		4.0		0		0.0	-	-	-	-
ACAD 1	2060	Identify formations	B	E	G	-	-	-	*		4.0		0		0.0	-	-	-	-
ACAD 1	2062	Identify fighter maneuvers	B	E	G	-	-	-	*		4.0		0		0.0	-	-	-	-
ACAD 1	2064	Define communication calls	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	-
ACAD 1	2066	Define Air Intercept Control Communication Terms	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	2025
<b>TOTAL ACADEMICS 1 (ACAD1) STAGE</b>										9	22.0	0	0.0	0	0.0				
<b>ACADEMICS 2 (ACAD2)</b>																			
ACAD 2	2100	State the capabilities and limitations of U.S. Air Force Aircraft	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2102	State the employment considerations for U.S. Air Force Aircraft	B	E	G	-	-	-	*		1.5		0		0.0	-	-	-	-
ACAD 2	2104	State the capabilities and limitations of Threat Aircraft	B	E	G	-	-	-	*		3.0		0		0.0	-	-	-	-
ACAD 2	2106	Define Threat Missile Terms	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2108	State the capabilities and limitations of threat missiles	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2110	State employment considerations for threat missiles	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2112	Define categories of threat missiles	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2116	Define fighter support concepts and their purpose	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
ACAD 2	2118	State the two types of fighter support concepts and their purpose	B	E	G	-	-	-	*		0.5		0		0.0	-	-	-	-
ACAD 2	2120	State the mission planning factors associated with defensive tactics	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2122	State timelines an FA-18 Hornet can be expected to employ	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	-
ACAD 2	2124	State the intercept geometries	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2126	State how targeting contracts differ based on Acceptable Levels of Risk (ALR)	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2128	State standard N/GTD targeting for a section of fighters	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	-
ACAD 2	2130	State how an FA-18 conducts a Visual Identification (VID) based on defensive tactics	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2132	State the delouse options available to Strike Fighter Aircrew	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
ACAD 2	2134	Describe when AIC actions will be taken with associated AIC terms	B	E	G	-	-	-	*		2.0		0		0.0	-	-	-	-
ACAD 2	2136	State the significance of the maneuvers	B	E	G	-	-	-	*		1.0		0		0.0	-	-	-	-
TOTAL ACADEMICS 2 (ACAD2) STAGE										18	23.0	0	0.0	0	0.0				
LOCAL AREA FAMILIARIZATION (LFAM)																			
LFAM	2150	Brief local restricted areas	B,R,M	-	L	-	-	-	365		0		0		5.0	-	-	-	-
TOTAL LOCAL AREA FAMILIARIZATION (LFAM) STAGE										0	0.0	0	0.0	1	5.0				
EQUIPMENT (EQUIP) STAGE																			
EQUIP	2160	Emplace and displace the Operations Facility (OPFAC)	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
EQUIP	2162	Setup organic communications equipment	B,R	-	L	-	-	-	*		0		0		4.0	SINGARS Operators' Course (MarineNet) 8064	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
EQUIP	2164	Conduct TAOC duties in a Chemical Biological Radiological Nuclear (CBRN) environment	B	-	L	-	-	-	*		0		0		4.0	-	-	-	
TOTAL EQUIPMENT(EQUIP) STAGE										0	0.0	0	0.0	3	16.0				
ASSISTANT CONTROLLER (AC) STAGE																			
AC	2200	Produce a TATC log	B	-	S/L	-	-	-	*		0		1.0		0	2008, 2012, 2026, 2028	-	-	-
AC	2202	Record aircraft handovers	B	-	L	-	-	-	*		0		0.0		8.0	2008, 2012, 2026, 2028	-	-	-
AC	2204	Make a record of aircraft violating safety of flight protocols	B	-	S/L	-	-	-	*		0		1.0		0.0	2008, 2012, 2026, 2028	-	-	-
AC	2206	Maintain system symbology	B	-	L/S	-	-	-	*		0		0.0		4.0	2008, 2012, 2026, 2028	-	-	2100
AC	2208	Perform as the assistant to the TATC	B	-	S/L	-	-	-	*		0		8.0		0.0	2008, 2012, 2026, 2028	-	-	-
AC	2210	Perform as the assistant to the AIC	B	-	S/L	-	-	-	*		0		8.0		0.0	2008, 2012, 2026, 2028	-	-	4100
AC	2212	Perform as an assistant to the DAC	B	-	S/L	-	-	-	*		0		8.0		0.0	2008, 2012, 2026, 2028	-	-	-
TOTAL ASSISTANT CONTROLLER (AC) STAGE										0	0.0	5	26.0	2	12.0				
SURVEILLANCE OPERATOR (SO) STAGE																			
SO	2300	Conduct data registration function	B	-	L	-	-	-	*		0		0		6.0	2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-	-	2321
SO	2302	Identify information required to maximize organic radar performance	B	-	L	-	-	-	*		0		0		1.0	2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-	-	2321
SO	2304	Conduct a fidelity drill	B	-	L	-	-	-	*		0		0		2.0	2002, 2008, 2012, 2018, 2026, 2028, 2030, 2034, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422	-	-	2103
TOTAL SURVEILLANCE OPERATOR (SO) STAGE										0	0.0	0	0.0	3	9.0				



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>TACTICAL AIR TRAFFIC CONTROL (TATC) STAGE</b>																			
TATC	2350	Provide flight information for an aircraft emergency	B	-	S/L	-	-	-	*	0	1.0	0.0	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-	-	2120			
TATC	2352	Conduct TATC planning	B	-	L	-	-	-	*	0	0	8.0	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-	-	4302			
TATC	2354	Perform TATC functions	B	-	L	-	-	-	*	0	0	8.0	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000	-	-	2121, 3102			
<b>TOTAL TACTICAL AIR TRAFFIC CONTROL (TATC) STAGE</b>										0	0.0	1	1.0	2	16.0				
<b>DATA LINK COORDINATOR (DLC) STAGE</b>																			
DLC	2400	Operate Link 11	B	-	L	-	-	-	*	0	0	4.0	2004, 2008, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2105			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	2402	Operate Link 16	B,R,M	-	L	-	-	-	365	0	0	0	4.0	2006, 2008, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2106		
DLC	2404	Configure the Joint Range Extension-Gateway (JRE-GW)	B,R,M	-	L	-	-	-	365	0	0	8.0	2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2107			
DLC	2406	Operate JREAP A	B,R,M	-	L	-	-	-	365	0	0	4.0	2008, 2010, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2210			
DLC	2408	Operate JREAP B	B,R,M	-	L	-	-	-	365	0	0	4.0	2006, 2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2210			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	2410	Operate JREAP C	B,R,M	-	L	-	-	-	365	0	0	0	4.0	2008, 2010, 2012, 2014, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2210		
DLC	2412	Troubleshoot Link 11	B,R,M	-	S/L	-	-	-	365	0	4.0	0.0	2004, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2105			
DLC	2414	Troubleshoot Link 16	B,R,M	-	S/L	-	-	-	365	0	4.0	0.0	2006, 2008, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2106			
DLC	2416	Troubleshoot JREAP A	B,R,M	-	S/L	-	-	-	365	0	4.0	0.0	2008, 2010, 2012, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2406, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	2107			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	2418	Troubleshoot JREAP B	B,R,M	-	S/L	-	-	-	365	0		4.0		0.0	2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	2420	Troubleshoot JREAP C	B,R,M	-	S/L	-	-	-	365	0		4.0		0.0	2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	2422	Conduct tactical data link coordination	B	-	L	-	-	-	*	0		0		8.0	2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2400, 2402, 2404, 2406, 2408, 2410, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0.0	5	20.0	7	36.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
<b>AIR INTERCEPT CONTROLLER 1 (AIC1) STAGE</b>																			
AIC1	2500	Perform AIC functions for a section of fighter aircraft using N/GTD	B	E	S	-	-	-	*	0	3.0	0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-			
AIC1	2502	Perform AIC functions for a section of fighter aircraft using DTG	B,R	-	S	-	-	-	*	0	3.0	0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-			
AIC1	2504	Perform AIC functions for a section of fighter aircraft against unknown threat	B,R,M	-	L	-	-	-	1460	0	0	3.0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-			
<b>TOTAL AIR INTERCEPT CONTROLLER 1 (AIC1) STAGE</b>										<b>0</b>	<b>0.0</b>	<b>2</b>	<b>6.0</b>	<b>1</b>	<b>3.0</b>				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIR INTERCEPT CONTROLLER 2 (AIC2) STAGE																			
AIC2	2550	Conduct an N/GTD brief for a section	B,R	-	L	-	-	-	*	0	0	0	0	1.0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
AIC2	2552	Conduct an FT brief for a division	B,R	-	L	-	-	-	*	0	0	0	0	1.0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC2	2554	Perform fighter timeline awareness	B,R	E	L	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
AIC2	2556	Perform AIC communications	B,R	E	S	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC2	2558	Perform proactive involvement	B,R	E	S	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
AIC2	2560	Respond to fighter requests	B,R	E	S	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC2	2562	Perform scope mechanics	B	-	S	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
AIC2	2564	Perform AIC functions for a division of fighter aircraft performing NTD	B	-	S	-	-	-	*	0		3.0		0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC2	2566	Perform AIC functions for a division of fighter aircraft performing DTD/FT	B	-	S	-	-	-	*	0	3.0	0	0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-		
AIC2	2568	Perform AIC functions for a division of fighter aircraft performing NTD	B	-	L	-	-	-	*	0	0	3.0	3.0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-		

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC2	2570	Perform AIC functions for a division of fighter aircraft performing DTD/FT	B	-	L	-	-	-	*	0	0	0	0	3.0	2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL AIR INTERCEPT CONTROLLER 2 (AIC2) STAGE										0	0.0	7	21.0	4	8.0				
DEEP AIR CONTROLLER (DAC) STAGE																			
DAC	2600	Receive and process deep air operations information	B	-	L/S	-	-	-	*	0	0	0	0	6.0	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	4200	
TOTAL DEEP AIR CONTROLLER (DAC) STAGE										0	0.0	0	0.0	1	6.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MISSILE CONTROLLER (MC) STAGE																			
MC	2650	Perform MC functions	B	-	S/L	-	-	-	*	0	4.0	0	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	2300			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MC	2652	Perform MC functions	B	-	L/S	-	-	-	*	0	0	0	0	4.0	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3600, 6250, 6251, 6252, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	2301	
TOTAL MISSILE CONTROLLER (MC) STAGE										0	0.0	1	4.0	1	4.0	OR			
CREW CHIEF (CC) STAGE																			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CC	2700	Perform TAOC Crew Chief administrative functions	B	-	L	-	-	-	*	0	0	1.0				2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CC	2702	Determine prioritization of communication links	B	-	S/L	-	-	-	*	0		1.0		0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060,	-	-	2133	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	2704	Identify communication problems	B	-	L	-	-	-	*	0	0	2.0			2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400,	-	-	2132	



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	2706	Conduct a crew changeover	B,R,M		L				1460	0		0		4.0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020, 2022, 2024, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	2708	Conduct TAOC site selection/map survey	B	-	L	-	-	-	*	0	0	1.5	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254	-	-	4400			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	2710	Prepare a plan for TAOC displacement operations	B	-	S/L	-	-	-	*	0	1.5	0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253,	-	-	-			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	2712	Create and supervise the conduct of a TAOC Simulation	B	-	S	-	-	-	*	0	80.0	0		2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504,	-	-	4403		

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
TOTAL CREW CHIEF (CC) STAGE										0	0.0	3	80.0	4	8.5				
DETACHMENT CHIEF (DCHF) STAGE																			
DCHF	2800	Supervise emplacement of the TAOC	B	-	L	-	-	-	*		0		0		1.0	-	-	-	6403
DCHF	2802	Develop and execute a load plan	B	-	L	-	-	-	*		0		0		1.0	-	-	-	6403
TOTAL DETACHMENT CHIEF (DCHF) STAGE										0	0.0	0	0.0	2	2.0				
COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE																			
C2SYS	2910	Use the Execution Status and Monitoring (ESTAT) tool	B,R	-	L	-	-	-	*		0		0		2.0	-	-	-	2910
C2SYS	2940	Set up and establish communications utilizing tactical chat	B,R	-	L	-	-	-	*		0		0		1.0	-	-	-	2940
C2SYS	2941	Operate Web Development Software (i.e. SharePoint)	B,R	-	L	-	-	-	*		0		0		4.0	-	-	-	2941
C2SYS	2943	Operate the Joint Range Extension Gateway	B,R	-	L	-	-	-	*		0		0		3.0	-	-	-	-
TOTAL COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE										0	0.0	0	0.0	4	10.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										46	72.0	24	158.0	35	135.5				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
ACADEMICS (ACAD)																			
ACAD	3000	State the responsibilities for, planning, and operating procedures for the Multi-Link Interface	B	E	G	-	-	-	*		6		0		0	-	-	-	-
ACAD	3006	Identify TDJ capabilities of Joint Tactical Data Systems (TDS)	B,R,M	E	G	-	-	-	1095		4		0		0	-	-	-	2019

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
ACAD	3012	State capabilities and limitations of the threat surface-to-air missile systems	B	E	G	-	-	-	*		1		0		0	-	-	-	
ACAD	3014	Discuss mission sets and associated terms	B	E	G	-	-	-	*		1		0		0	-	-	-	
TOTAL ACADEMICS (ACAD) STAGE										4	12	0	0	0	0.0				
ASSISTANT CONTROLLER (AC) STAGE																			
AC	3200	Perform as an Assistant Controller to the TATC	B	-	L	-	-	-	*		0		0		8.0	2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-	-	-
AC	3202	Perform as an Assistant Controller to the AIC	B	-	L	-	-	-	*		0		0		8.0	2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-	-	4100
AC	3204	Perform as an Assistant Controller to the DAC	B	-	L	-	-	-	*		0		0		8.0	2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212	-	-	-
AC	3206	Perform as the Assistant Controller	B,R,M	E	L	-	-	-	1095		0		0		8.0	2008, 2012, 2026, 2028, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 3200, 3202, 3204	-	-	-
TOTAL ASSISTANT CONTROLLER (AC) STAGE										0	0	0	0	3	32.0				
SURVEILLANCE OPERATOR (SO) STAGE																			
SO	3300	Perform track data coordination/management function	B,R	-	L	-	-	-	*		0		0		8.0	2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SO	3302	Perform combat identification functions	B,R	-	L	-	-	-	*	0	0	0	0	8.0	2000, 2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
SO	3304	Perform Electronic Warfare (EW) operations	B,R	-	L	-	-	-	*	0	0	0	0	8.0	2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SO	3306	Perform as an SO	B,R,M	E	L	-	-	-	1095	0	0	0	0	8.0	2002, 2004, 2008, 2012, 2014, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL SURVEILLANCE OPERATOR (SO) STAGE										0	0	0	0	2	32.0				
TACTICAL AIR TRAFFIC CONTROL (TATC) STAGE																			
TATC	3350	Perform as TATC	B,R,M	E	L	-	-	-	1095	0	0	0	0	8.0	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	3102	
TOTAL TACTICAL AIR TRAFFIC CONTROL (TATC) STAGE										0	0	0	0	1	8.0				



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DATA LINK COORDINATOR (DLC) STAGE																			
DLC	3400	Conduct tactical data link coordination	B	-	L	-	-	-	*	0	0	0	0	8.0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	3402	Perform as a DLC	B,R,M	E	L	-	-	-	1095	0	0	0	0	2	16.0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	3101
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	2	16.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIR INTERCEPT CONTROLLER (AIC3) STAGE																			
AIC3	3500	Conduct N/GTD brief for a division	B,R	-	L	-	-	-	*	0	0	0	0	1.0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC3	3502	Conduct DTD brief for a division	B,R	-	L	-	-	-	*	0		0		1.0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
AIC3	3504	Perform AIC functions with a division of fighter aircraft	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	-	
TOTAL AIR INTERCEPT CONTROLLER (AIC3) STAGE										0	0	0	0	3	6.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DEEP AIR CONTROLLER (DAC) STAGE																			
DAC	3600	Control aircraft in deep air operations	B,R,M	E	L	-	-	-	1460	0	6.0	0	0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	4201		
TOTAL DEEP AIR CONTROLLER (DAC) STAGE										0	0	1	6.0	0	0.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MISSILE CONTROLLER (MC) STAGE																			
MC	3650	Perform manual MC functions	B,R,M	E	L	-	-	-	1460	0	4.0	0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	2300			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MC	3652	Perform MC functions	B,R,M	E	L	-	-	-	1460	0	4.0	0	0	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	2301		
TOTAL MISSILE CONTROLLER (MC) STAGE										0	0	2	8.0	0	0.0				
CREW CHIEF (CC) STAGE																			
CC	3700	Assist in the conduct of a site survey	B, R	-	L	-	-	-	*	0	0	1.5	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150,	-	-	-			



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	3702	Perform system troubleshooting	B	-	L	-	-	-	*		0		0		10.0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114,	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
CC	3704	Perform Crew Chief functions	B,R,M	E	L	-	-	-	1095		0		0		10.0	2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058,	-	-	-

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067				
TOTAL CREW CHIEF (CC) STAGE										0	0	0	0	3	21.5				
DETACHMENT CHIEF (DCHF) STAGE																			

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DCHF	3800	Prepare a plan for Phasing Control Ashore	B,R,M	-	L	-	-	-	1460		0		1.0		0	2800, 2802	-	-	-
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	1	1.0	0	0.0				
TOTAL CORE PLUS SKILL PHASE (4000 PHASE)										4	12.0	4	15.0	14	115.5				
CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
DATA LINK COORDINATOR (DLC) STAGE																			
DLC	4400	Operate Link 11B	B	-	L	-	-	-			0		0		4.0	2014	-	-	-
DLC	4402	Troubleshoot Link 11B	B	-	L	-	-	-			0		0		4.0	-	-	-	
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	2	8.0				
COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE																			
C2SYS	4921	Operate C2 Personal Computer (C2PC)	B,R	-	L	-	-	-			0		0		4.0	-	-	-	
C2SYS	4942	Operate Air Defense System Integrator (ADSI)	B,R	-	L	-	-	-			0		0		4.0	-	-	-	
TOTAL COMMAND AND CONTROL SYSTEMS (C2SYS) STAGE										0	0	0	0	3	8.0				
TOTAL CORE PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	5	16.0				
TOTAL 2000, 3000, AND 4000 PHASE										50	84.0	28	173.0	54	267.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	5000
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1.0	Recommended by SI or WTI	-	-	5010
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	5020
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	5100
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	5110
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	5120
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D		365		0		0	2.0	5000, 5010, 5020, 6320	-	-	5130
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
AIR INTERCEPT CONTROLLER INSTRUCTOR (AICI) STAGE																			
IUT	5500	State the AIC training rules	B	E	G	-	-	D	*		2.0		0		0.0	6253	-	-	-
IUT	5510	Instruct an AIC1	B	E	L	-	-	D	*		0		0		1.0	6253	-	-	-
IUT	5520	Instruct an AIC2	B	E	L	-	-	D	*		0		0		1.0	6253	-	-	-
TOTAL AIR INTERCEPT CONTROLLER INSTRUCTOR (AICI) STAGE										1	2.0	0	0.0	2	2.0				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)																		
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			
QUAL	6250	Qualify as an Assistant Controller (AC)	B	-	L	-	-	L	*	0	0	0	0	0.5	2008, 2012, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	6300	
QUAL	6251	Qualify as a Tactical Air Traffic Controller (TATC)	B	-	L	-	-	L	*	0	0	0	0.5	2000, 2008, 2012, 2026, 2028, 2050, 2056, 2066, 2100, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	6102		

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6252	Qualify as a Deep Air Controller (DAC)	B	-	L	-	-	L	*	0		0		0.5	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	6301	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6253	Qualify as an Air Intercept Controller (AIC)	B	-	L	-	-	L	*	0	0	0	0	0.5	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	6200	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6254	Qualify as a Missile Controller (MC)	B	-	L	-	-	L	*	0	0	0	0	0.5	2000, 2008, 2012, 2026, 2028, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2650, 2652, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 3650, 3652, 6250, 6251, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	-	



TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6255	Qualify as Data Link Coordinator (DLC)	B	-	L	-	-	L	*	0		0		0.5	2004, 2006, 2008, 2010, 2012, 2014, 2016, 2026, 2028, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2910, 2940, 2941, 2943, 3000, 3006, 3200, 3202, 3204, 3206, 3300, 3302, 3304, 3306, 3400, 3402, 6250, 6256, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088	-	-	6101	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6256	Qualify as a Surveillance Operator (SO)	B	-	L	-	-	L	*	0		0		0.5		-	-	6100	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6257	Qualify as a Crew Chief (CC)	B	-	L	-	-	L	*	0	0	0.5				2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2026, 2028, 2030, 2034, 2036, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2300, 2302, 2304, 2350, 2352, 2354, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2600, 2650, 2652, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3700, 3702, 3704, 6250, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088 AND 3350, 3500, 3502, 3504, 3650, 6251, 6252, 6253, 6254 OR 2568, 2570, 2943, 3000, 3006, 3300, 3302, 3304, 3306, 3350, 3400, 3402, 6255, 6256, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067	-	-	6400, 6402
Enclosure (1)									11-214										

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL QUALIFICATIONS STAGE (QUAL)									0	0	0	0	8	4.0					
LICENSE TRACKING CODES (LIC)																			
CERT	6275	Certified in Local Area Fam	B,R,M	E	L	-	-	L	365	0	0	0	0	0.5	2150	-	-	-	
TOTAL LICENSE TRACKING CODES (LIC)									8	0	0	0	4	0.5					
DESIGNATIONS (DESG)																			
DESG	6320	Designation as Basic Instructor (BI)	B	-	L	-	-	L	*	0	0	0	0.5	5000, 5010, 5020					
DESG	6321	Designation as Senior Instructor (SI)	B	-	L	-	-	L	*	0	0	0	0.5	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320					
DESG	6322	Designation as Weapons and Tactics Instructor (WTI)	B	-	L	-	-	L	*	0	0	0	0.5	6000					
DESG	6323	Designation as an Air Intercept Controller Instructor (AICI)	B	-	L	-	-	L	*	0	0	0	0.5	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086,			6407		

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															8087, 8088				
DESG	6324	Designation as an Strike Fighter Tactics Instructor (SFTI)	B	-	L	-	-	L	*	0	0	0.5			2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6078, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088				

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6325	Designation as Marine Division Tactics Instructor (MDTI)	B	-	L	-	-	L	*	0	0	0	0	0.5	2000, 2008, 2012, 2026, 2028, 2050, 2052, 2054, 2056, 2058, 2060, 2062, 2064, 2066, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2128, 2130, 2132, 2134, 2136, 2150, 2160, 2162, 2164, 2200, 2202, 2204, 2206, 2208, 2210, 2212, 2350, 2352, 2354, 2500, 2502, 2504, 2550, 2552, 2554, 2556, 2558, 2560, 2562, 2564, 2566, 2910, 2940, 2941, 3200, 3202, 3204, 3206, 3350, 3500, 3502, 3504, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 5500, 5510, 5520, 6006, 6320, 6321, 6250, 6251, 6253, 6275, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044, 8060, 8061, 8062, 8063, 8064, 8065, 8066, 8067, 8080, 8081, 8082, 8083, 8084, 8085, 8086, 8087, 8088				
DESG	6326	Designation as a Detachment Chief (DCHF)	B	-	L	-	-	L	*	0	0	0	0	0.5	2800, 2802, 3800			6403	
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	7	3.5				
SCHOOL CODES (SCHL)																			
SCHL	6000	Weapons and Tactics Instructor (WTI)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	
SCHL	6006	Marine Division Tactics Instructor (MDTI)	B	-	G	-	-	-	*	0	0	0	0	0.0	-	-	-	-	

TAOC MOS 7236 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6026	Joint Interface Control Officer (JICO) (JT-301)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6027	Joint Interface Control Center (JICC) (JT-310)	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
SCHL	6078	USMC TOPGUN AIC Course	B	-	G	-	-	-	*		0		0		0.0	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										8	0	0	0	0	0.0				
LICENSE TRACKING CODES (LIC)																			
LIC	6400	HMMWV	B	-	L	-	-	L	*		0		0		0.5	-	-	-	
LIC	6405	MK23 MTVR	B	-	L	-	-	L	*		0		0		0.5	-	-	-	
LIC	6410	MK27 MTVR	B	-	L	-	-	L	*		0		0		0.5	-	-	-	
LIC	6415	EXPLOSIVE/CORROSIVE HMMWV	B	-	L	-	-	L	*		0		0		0.5	-	-	-	
TOTAL LICENSE TRACKING CODES (LIC)										8	0	0	0	4	2.0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										8	0.0	0	0.0	19	9.5				

- 11.19 ADDITIONAL MATRIX (ORDNANCE/RANGES). None
- 11.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None
- 11.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,  
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/nwc3/default.aspx>
- 11.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None