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From: Commandant of the Marine Corps
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Subj: DIRECT AIR SUPPORT CENTER TRAINING AND READINESS MANUAL

Ref: (a) NAVMC 3500.14C

Encl: (1) DASC T&R Manual

1. Purpose. In accordance with reference (a), the Training and Readiness (T&R) Manual, contained in enclosure (1), encompasses standards and regulations regarding the training of Marine Direct Air Support Center (DASC) Marines.

2. Cancellation. NAVMC 3500.95

3. Scope. Highlights of major T&R planning considerations included in this DASC T&R Manual are as follows:

a. Updated format and content in order to comply with reference (a).

b. Removed the Mission Essential Task 5.3.2.7.2.2, Conduct DASC (Airborne) (DASC(A)) Operations.

c. All 1000 Phase training has been standardized to the stage name of Air Schools. This standardization process will be carried over to all other Marine Air Command and Control System agencies.

d. Data link events were added for all applicable chapters to ensure Marines are staying current with evolving DASC data link requirements.

e. Information Assurance Work Force Stages were added.

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distribution is unlimited.

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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), Aviation Standards Branch, Quantico, Virginia 22134 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

DIRECT AIR SUPPORT CENTER
TRAINING AND READINESS AGENCY REQUIREMENTS

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CHAPTER 1

DIRECT AIR SUPPORT 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 Direct Air Support Center (DASC) capabilities for control and coordination of aircraft operating in direct support of Marine Air-Ground Task Force (MAGTF) Forces.

1.2 TABLE OF ORGANIZATION (T/O). Information below depicts the Direct Air Support Center (DASC) T/O information as of the date of this directive.

MASS 1, 2, 3, 6						
T/O 8660 (M00820/25/30/M03028/M00983)						
OFFICERS -- 1 (5902)						
4 (7202)						
32 (7208)						
ENLISTED -- 25 (5939)						
6 (5974)						
77 (7242)						
CREW COMPOSITION	5902	5939	5974	7202	7208	7242
AVIATION ELECTRONICS MAINTENANCE OFFICER	1	0	0	0	0	0
AVIATION COMMUNICATION MAINTENANCE CHIEF	0	1	0	0	0	0
AVIATION COMMUNICATION SYSTEMS BASIC TECHNICIAN	0	12	0	0	0	0
AVIATION COMMUNICATION SYSTEMS ADVANCED TECHNICIAN	0	12	0	0	0	0
TACTICAL DATA SYSTEM BASIC ADMINISTRATOR	0	0	4	0	0	0
TACTICAL DATA SYSTEM ADVANCED ADMINISTRATOR	0	0	2	0	0	0
SENIOR AIR DIRECTOR (DASC)	0	0	0	0	5	0
CREW CHIEF (DASC)	0	0	0	0	0	5
AIR SUPPORT CONTROL OFFICERS (DASC)	0	0	0	0	14	0
AIR SUPPORT NET OPERATORS (DASC)	0	0	0	0	0	26
AIR SUPPORT PLOTTERS (DASC)	0	0	0	0	0	15
COMMANDING OFFICER	0	0	0	1	0	0
WTI OFFICER	0	0	0	1	1	0
WTI CHIEF	0	0	0	0	0	1

DASC OIC	0	0	0	2	0	0
DASC CHIEF	0	0	0	0	0	2
SENIOR AIR DIRECTOR (ASE)	0	0	0	0	4	0
AIR SUPPORT CONTROL OFFICER (ASE)	0	0	0	0	4	0
CREW CHIEF (ASE)	0	0	0	0	0	4
AIR SUPPORT NET OPERATOR (ASE)	0	0	0	0	0	20
AIR SUPPORT CONTROL OFFICER (ASLT)	0	0	0	0	4	0
AIR SUPPORT NET OPERATOR (ASLT)	0	0	0	0	0	4

1.3 SIX FUNCTIONS OF MARINE AVIATION

SIX FUNCTIONS OF MARINE AVIATION		
FUNCTION	ABBREVIATION	DESCRIPTION
Offensive Air Support	OAS	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.
Assault Support	ASPT	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).
Anti-Air Warfare	AAW	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.
Electronic Warfare	EW	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.
Control of Aircraft & Missiles	CoA&M	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.
Aerial Reconnaissance	AerRec	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

DASC	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILLS (2000 PHASE)	
ACAD	ACADEMIC
ADPE	AUTOMATED DATA PROCESSING EQUIPMENT
AFATDS	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM
ASE	AIR SUPPORT ELEMENT
ASLT	AIR SUPPORT LIAISON TEAM
ASNO	AIR SUPPORT NET OPERATOR
C2SYS	COMMAND AND CONTROL SYSTEMS
CC	DASC CREW CHIEF
CD	COLLATERAL DUTIES
COMM	COMMUNICATIONS
COMSEC	COMMUNICATION SECURITY
CTRL	PROCEDURAL CONTROL
DC	DASC CHIEF
DEPL	DEPLOYMENT
DOIC	DASC OFFICER-IN-CHARGE
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
FSC	FIRE SUPPORT COORDINATOR
IAWFA	INFORMATION ASSURANCE WORKFORCE A+
IAWFAT	INFORMATION ASSURANCE WORKFORCE A+ TEST
IAWFN	INFORMATION ASSURANCE WORKFORCE NETWORK+
IAWFNT	INFORMATION ASSURANCE WORKFORCE NETWORK+ TEST
IOS	INTELLIGENCE OPERATIONS SYSTEM
IOW	INTELLIGENCE OPERATIONS WORKSTATION
MMGT	MAINTENANCE MANAGEMENT
NET	NETWORK
OMGT	OPERATIONS MANAGEMENT
PLOT	PLOTTING
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
SAD	SENIOR AIR DIRECTOR
SETUP	SETUP
SHEL	SHELTERS
SYSO	SYSTEM OVERVIEW
TCDS	TAC/DAS NET OPERATOR
TAD	TACTICAL AIR DIRECTOR
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM
TDSR	TDS REMOTE
TMDE	TEST MEASUREMENT DIAGNOSTICS EQUIPMENT
TRHR	TAR/HR NET OPERATOR
MISSION SKILLS (3000 PHASE)	
ASE	AIR SUPPORT ELEMENT
ASLT	AIR SUPPORT LIAISON TEAM
CC	DASC CREW CHIEF
DASC	DIRECT AIR SUPPORT CENTER
DC	DASC CHIEF
DEPL	DEPLOYMENT
DOIC	DASC OFFICER-IN-CHARGE

FSC	FIRE SUPPORT COORDINATOR
HD	HELICOPTER DIRECTOR
IAWFA	INFORMATION ASSURANCE WORKFORCE A+
IAWFN	INFORMATION ASSURANCE WORKFORCE NETWORK+
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONS MANAGEMENT
PLOT	PLOTTING
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
SAD	SENIOR AIR DIRECTOR
TCDS	TAC/DAS NET OPERATOR
TAD	TACTICAL AIR DIRECTOR
TRHR	TAR/HR NET OPERATOR
CORE PLUS SKILLS (4000 PHASE)	
ACAD	ACADEMIC
ASE	AIR SUPPORT ELEMENT
ASLT	AIR SUPPORT LIAISON TEAM
ASNO	AIR SUPPORT NET OPERATOR
C2SYS	COMMAND AND CONTROL SYSTEMS
CCD	COMMON CONNECTIVITY DEVICE
CDLS	COMMUNICATION DATALINK SYSTEM
COC	COMBAT OPERATIONS CENTER
CTRL	PROCEDURAL CONTROL
CTT	COMMANDERS TACTICAL TERMINAL/HYBRID 3
DOIC	DASC OFFICER-IN-CHARGE
FAM	FAMILIARIZATION
HD	HELICOPTER DIRECTOR
LMSMT	LINK MANAGEMENT SYSTEM—MULTI-TADIL
NET	NETWORK
OMGT	OPERATIONS MANAGEMENT
PLOT	PLOTTING
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
SAD	SENIOR AIR DIRECTOR
SYSO	SYSTEM OVERVIEW
TAD	TACTICAL AIR DIRECTOR
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM
TDL	TACTICAL DATA LINKS

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 an 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.

DASC		
MISSION ESSENTIAL TASK LIST (METL)		
MET	ABBREVIATION	MCT DESCRIPTION
MCT 5.3.2.7.2	DASC	CONDUCT DIRECT AIR SUPPORT CENTER OPERATIONS

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

DASC							
MISSION ESSENTIAL TASK LIST (METL)							
MET	ABBREVIATION	SIX FUNCTIONS OF MARINE AVIATION					
		OAS	ASPT	AAW	EW	CoA&M	AerRec
MCT 5.3.2.7.2	DASC	X	X			X	X

1.7 MISSION ESSENTIAL TASKS (MET) OUTPUT STANDARDS

Core METL Output Standards			
MCT	MET	OUTPUT STANDARD	TOTAL CMMR CREWS
5.3.2.7.2	Conduct Direct Air Support Center (DASC) Operations	Able to receive, process, and coordinate requests for immediate direct air support.	4 DASC 4 ASLT 4 ASE
		Able to coordinate the execution of direct air support missions with other supporting arms through the appropriate FFCC/FSCC and other MACCS and external C2 agencies.	
		Able to maintain constant communications with aircraft, TACPs, terminal controllers, and other MACCS agencies.	
		Able to safely and efficiently route all aircraft in DASC area of control.	
		Able to conduct continuous DASC operations while displacing.	
		Able to task organize to support DASC operations up to Division level.	
		Able to task organize extensions to provide DASC capability throughout the AOR.	
		Able to conduct air support operations as part of a MAGTF in a joint or combined environment.	

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1.8 CORE/MISSION/CORE PLUS SKILL TO MISSION ESSENTIAL TASK (MET) MATRIX

DASC																																						
CORE/MISSION/COREPLUS SKILL TO MISSION ESSENTIAL TASK (MET) MATRIX																																						
MET	2000 PHASE																																					
	CORE SKILL																																					
	ACAD	ADPE	AFATDS	ASE	ASLT	ASNO	C2SYS	CC	CD	COMM	COMSEC	CTRL	DC	DEPL	DOIC	EQUIP	FAM	FSC	IAWFA	IAWFAT	IAWFN	IAWFNT	IOS	IOW	MMGT	NET	OMGT	PLOT	PMCM	SAD	SETUP	SHEL	SYSO	TCDS	TBMCS	TDSR	TMDE	TRHR
MCT 5.3.2.7 .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	X	X	X
MET	3000 PHASE																																					
	MISSION SKILL																																					
	DOIC	DC	SAD	TAD	HD	CC	PLOT	FSC	TCDS	TRHR	ASE	ASLT	DEPL	PMCM	MMGT	OMGT	IAWFA	IAWFN																				
MCT 5.3.2.7 .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	X	X	
MET	4000 PHASE																																					
	CORE PLUS SKILL																																					
	ACAD	ASE	ASNO	C2SYS	CCD	CDLS	COC	CTRL	CTT	DOIC	FAM	HD	LMSMT	NET	OMGT	PLOT	PMCM	SAD	SYSO	TAD	TBMCS	TDL													CC	INTEL		
MCT 5.3.2.7 .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	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.

DASC						
DASC CMMR CREWS						
SKILLS	5902	5939	5974	7202	7208	7242
MAINT OFFICER	1	0	0	0	0	0
MAINT CHIEF	0	1	0	0	0	0
ADVANCED TECH	0	4	0	0	0	0
BASIC TECH	0	8	4	0	0	0
ASE AT	0	4	0	0	0	0
ASE BT	0	4	0	0	0	0
WTI OFFICER	0	0	0	1	1	0
WTI CHIEF	0	0	0	0	0	1
DASC OIC	0	0	0	2	0	0
DASC CHIEF	0	0	0	0	0	1
SAD	0	0	0	0	4	0
TAD	0	0	0	0	4	0
HD	0	0	0	0	4	0
CC	0	0	0	0	0	4
PLOT	0	0	0	0	0	12
FSC	0	0	0	0	0	4
TCDS	0	0	0	0	0	4
TAR/HR	0	0	0	0	0	8
ASE SAD	0	0	0	0	4	0
ASE ASCO	0	0	0	0	4	0
ASE CC	0	0	0	0	0	4
ASE ASNO	0	0	0	0	0	16
ASLT OFFICER	0	0	0	0	4	0
ASLT ASCO	0	0	0	0	4	0
ASLT ASNO	0	0	0	0	0	8

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)

DASC						
INSTRUCTOR DESIGNATIONS (5000 Phase)						
CMMR						
INSTRUCTOR DESIGNATIONS	5902	5939	5974	7202	7208	7242
BASIC INSTRUCTOR	0	3	2	0	3	6
SENIOR INSTRUCTOR	0	2	1	0	2	2
WEAPONS AND TACTICS INSTRUCTOR	1	0	0	1	1	1

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

DASC						
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)						
(6000 Phase)						
	5902	5939	5974	7202	7208	7242
CERTIFICATIONS						
A+ TECH	0	1	1	0	0	0
NETWORK+ TECH	0	1	1	0	0	0
QUALIFICATIONS						
ACSBT	0	6	0	0	0	0
ACSAT	0	6	0	0	0	0
TDSAT	0	0	1	0	0	0
TDSBT	0	0	4	0	0	0
IOW SA	0	0	1	0	0	0
IOS SA	0	0	1	0	0	0
AFATDS SA	0	0	1	0	0	0
TBMCS SA	0	0	1	0	0	0
TRHR	0	0	0	0	0	8
PLOT	0	0	0	0	0	12
TACDAS	0	0	0	0	0	8
FSC	0	0	0	0	0	4
ASNO	0	0	0	0	0	16
CC	0	0	0	0	0	4
HD	0	0	0	0	4	0
TAD	0	0	0	0	4	0
SAD	0	0	0	1	7	0
ASLT OIC	0	0	0	0	4	0
ASE OIC	0	0	0	0	4	0
DESIGNATIONS						
ACS MC	0	1	0	0	0	0
TDS MC	0	0	1	0	0	0

WTI OFFICER	0	0	0	1	1	0
WTI CHIEF	0	0	0	0	0	1
DASC OIC	0	0	0	2	0	0
DASC CHIEF	0	0	0	0	0	2
ACS CC	0	4	0	0	0	0
QC CD	0	0	1	0	0	0
SAFETY CD	0	1	1	0	0	0
HAZMAT CD	0	1	1	0	0	0
PUB CD	0	1	1	0	0	0
TRNG CD	0	1	1	0	0	0
TOOLS CD	0	1	1	0	0	0
CAL CD	0	1	1	0	0	0
MOD CD	0	1	1	0	0	0
EMB CD	0	1	1	0	0	0
MIMMS CD	0	1	1	0	0	0

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

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

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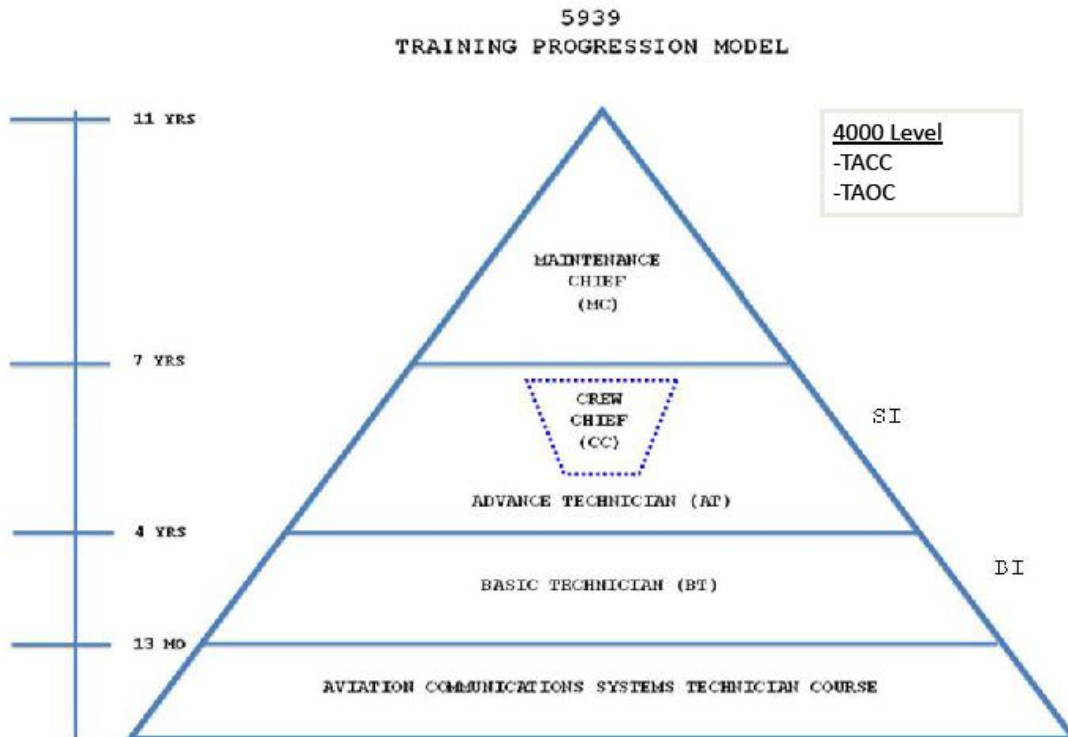
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CHAPTER 3

AVIATION COMMUNICATIONS SYSTEMS TECHNICIAN/5939
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

3.0 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.

3.1 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.



3.2 ABBREVIATIONS

DASC MAINTENANCE MOS 5939	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
SYSO	SYSTEM OVERVIEW
SETUP	SET UP
TMDE	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
CD	COLLATERAL DUTIES
COMSEC	COMMUNICATION SECURITY
FAM	FAMILIARIZATION
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONS MANAGEMENT
IAWFA	INFORMATION ASSURANCE WORKFORCE A+
IAWFAT	INFORMATION ASSURANCE WORKFORCE A+ TEST
IAWFNT	INFORMATION ASSURANCE WORKFORCE NETWORK+ TEST
IAWFN	INFORMATION ASSURANCE WORKFORCE NETWORK+
MISSION SKILL (3000 Phase)	
DEPL	DEPLOYMENT
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONS MANAGEMENT
IAWFA	INFORMATION ASSURANCE WORKFORCE A+
IAWFN	INFORMATION ASSURANCE WORKFORCE NETWORK+
DASC	DASC OPERATIONS
CORE PLUS (4000 Phase)	
SYSO	SYSTEM OVERVIEW
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
OMGT	OPERATIONS MANAGEMENT
FAM	FAMILIARIZATION
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
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
A+ TECH	COMPTIA A+ TECHNICIAN
NETWORK+ TECH	COMPTIA NETWORK+ TECHNICIAN

SAD 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
GCSS CD	GCSS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

3.3 DEFINITIONS

TERM	DEFINITION
Core Model	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
Core Skill	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.
Mission Skill	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.
Core Plus Skill	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.
Core Plus Mission	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.
Core Skill Proficiency (CSP)	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.
Mission Skill Proficiency (MSP)	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.
Core Plus Skill Proficiency (CPSP)	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
Core Plus Mission Proficiency (CPMP)	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
MET Phase	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.

DASC 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)					
SYSO	2000	SYSO		SYSO	
	2005R		2005R		2005R
	2010				
	2015R		2015R		2015R
SETUP	2100	SETUP		SETUP	
	2105				
	2110				
	2115R		2115R		2115R
	2120				
	2125R		2125R		2125R
	2130R		2130R		2130R
	2135R		2135R		2135R
	2140R		2140R		2140R
	2145R		2145R		2145R
	2150R		2150R		2150R

	2155R		2155R		2155R
	2160R		2160R		2160R
	2165				
	2170				
	2175				
TMDE	2200	TMDE		TMDE	
	2205				
	2210				
	2215				
	2220				
	2225				
	2230				
	2235				
PMCM	2250	PMCM		PMCM	
	2255				
	2260R		2260R		2260R
	2265R		2265R		2265R
	2270R		2270R		2270R
	2275R		2275R		2275R
	2280R		2280R		2280R
	2285R		2285R		2285R
	2290R		2290R		2290R
	2295R		2295R		2295R
CD	2300	CD		CD	
	2305R		2305R		2305R
	2310R		2310R		2310R
	2315R		2315R		2315R
	2320R		2320R		2320R
	2325R		2325R		2325R
	2330R		2330R		2330R
	2335R		2335R		2335R
	2340				
COMSEC	2350R	COMSEC	2350R	COMSEC	2350R
	2355R		2355R		2355R
	2360R		2360R		2360R
	2365R		2365R		2365R
	2370R		2370R		2370R
FAM	2400	FAM		FAM	
	2406				
	2408				
	2410				

	2420				
	2430				
MMGT	2450	MMGT		MMGT	
	2452				
	2454R		2454R		2454R
	2456R		2456R		2456R
	2458R		2458R		2458R
	2460				
	2462				
	2464R		2464R		2464R
	2466R		2466R		2466R
	2468				
	2470				
	2472R		2472R		2472R
	2474R		2474R		2474R
	2476				
	2478				
	2480				
	2482				
OMGT	2500R	OMGT	2500R	OMGT	2500R
	2502				
	2504				
	2506R		2506R		2506R
	2508R		2508R		2508R
	2510R		2510R		2510R
	2512				
	2514				
	2516R		2516R		2516R
	2518R		2518R		2518R
	2520				
	2522				
	2524R		2524R		2524R
IAWFA	2600	IAWFA		IAWFA	
	2601				
	2602				
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IAWFN	2700	IAWFN		IAWFN	
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IAWFAT	2730	IAWFAT		IAWFAT			
	2731						
	2732						
	2733						
	2734						
	2800R		2800R		2800R		
	2802R		2802R		2802R		
	2804R		2804R		2804R		
	2806R		2806R		2806R		
	2808R		2808R		2808R		
	2810R		2810R		2810R		
	2812R		2812R		2812R		
	2814R		2814R		2814R		
	2816R		2816R		2816R		
	2850R		2850R		2850R		
	2852R		2852R		2852R		
	IAWFNT		2854R		IAWFNT	IAWFNT	2854R
			2856R				2856R
			2858R				2858R
	MISSION SKILL (3000 Phase)						
STAGE	CODE	STAGE	CODE	STAGE	CODE		
DEPL	DEPL-3000R	DEPL	DEPL-3000R	DEPL	DEPL-3000R		
	DEPL-3005R		DEPL-3005R		DEPL-3005R		
	DEPL-3010R		DEPL-3010R		DEPL-3010R		
PMCM	PMCM-3100R	PMCM	PMCM-3100R	PMCM	PMCM-3100R		
MMGT	MMGT-3205	MMGT		MMGT			
	MMGT-3210R		MMGT-3210R		MMGT-3210R		
	MMGT-3215						
OMGT	OMGT-3300	OMGT		OMGT			
	OMGT-3305						
	OMGT-3315R		OMGT-3315R		OMGT-3315R		
	OMGT-3325R		OMGT-3325R		OMGT-3325R		
IAWFA	IAWFA-3400R	IAWFA	IAWFA-3400R	IAWFA	IAWFA-3400R		
	IAWFA-3410R		IAWFA-3410R		IAWFA-3410R		
IAWFN	IAWFN-3450R	IAWFN	IAWFN-3450R	IAWFN	IAWFN-3450R		
CORE PLUS (4000 Phase)							
STAGE	CODE	STAGE	CODE	STAGE	CODE		
SYSO	4000	SYSO		SYSO			
PMCM	4100	PMCM		PMCM			

	4105				
OMGT	4200	OMGT		OMGT	
	4205				
FAM	4402	FAM		FAM	
	4404				
	4412				
	4414				
	4416				
	4418				
	4422				
	4424				
	4426				
	4428				
"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

MTACS MAINTENANCE MOS 5939 INSTRUCTOR DESIGNATIONS (5000 Phase)												
INSTRUCTOR DESIGNATION	EVENTS											
BASIC INSTRUCTOR (BI)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 5000, 5010, 5020, 6100											
SENIOR INSTRUCTOR (SI)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2265, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2650, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2480, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6100, 6105, 6320											

3.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

DASC MAINTENANCE MOS 5939 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS

AVIATION COMMUNICATION SYSTEM BASIC TECHNICIAN (ACSBT) (QUAL 6100)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2406, 2408, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100
AVIATION COMMUNICATION SYSTEM ADVANCED TECHNICIAN (ACSBT) (QUAL 6105)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2360, 2365, 2370, 2406, 2408, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2724, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2900, 2905, 2910, 2915, 2920, 2925, 2940, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3010, 3100, 3205, 3210, 3215, 3300, 3305, 3315, 3325, 6100
COMPTIA A+ TECHNICIAN (CERT 6200)	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3410
COMPTIA NETWORK+ TECHNICIAN (CERT 6205)	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450
SAFETY COLLATERAL DUTY (SAF CD) (DESG 6500)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
HAZARDOUS MATERIAL COLLATERAL DUTY (HAZMAT CD) (DESG 6505)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
PUBLICATIONS COLLATERAL DUTY (PUB CD) (DESG 6510)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
TRAINING COLLATERAL DUTY (TRNG CD) (DESG 6515)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
TOOLS COLLATERAL DUTY (TOOLS CD) (DESG 6520)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
CALIBRATIONS COLLATERAL DUTY (CAL CD) (DESG 6525)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
MODIFICATIONS COLLATERAL DUTY (MOD CD) (DESG 6530)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
EMBARK COLLATERAL DUTY (EMB CD) (DESG 6535)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100
MIMMS CD (DESG 6540)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

QUALITY CONTROL COLLATERAL DUTY (QC CD) (DESG 6545)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2360, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 6100, 6105
AVIATION COMMUNICATIONS SYSTEMS CREW CHIEF (ACSCC) (DESG 6550)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2355, 2360, 2406, 2408, 2450, 2452, 2458, 2460, 2458, 2460, 2462, 2474, 2476, 2478, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3010, 3100, 3205, 3210, 3300, 3305, 3315, 3325, 3400, 3405, 6100, 6105, 8020
AVIATION COMMUNICATIONS SYSTEMS MAINTENANCE CHIEF (ACSMC) (DESG 6555)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2400, 2406, 2408, 2410, 2420, 2430, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2650, 2660, 2724, 2900, 2905, 2910, 2915, 2920, 2925, 2940, 3000, 3005, 3010, 3100, 3205, 3210, 3215, 3300, 3305, 3315, 3325, 3400, 3405, 6100, 6105, 8020, 8060, 8080
IAWF A+ TECHNICIAN (DESG 6560)	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405, 6200
IAWF NETWORK+ TECHNICIAN (DESG 6565)	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450, 6205

3.6 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.

3.6.1 Basic POI

DASC MAINTENANCE 5939 BASIC POI		
WEEKS ¹	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

3.6.2 Refresher POI

DASC MAINTENANCE MOS 5939 REFRESHER POI		
WEEKS ¹	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.

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/CPD 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)

3.9.3 AIR SCHOOLS (AIRS) STAGE

3.9.3.1 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).

3.9.3.2 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

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

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

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.

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-1033 * B E G

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)

AIRS-1034 * B E G

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

AIRS-1035	*	B	E	G

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

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.

Ordinance. 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

AIRS-1039 * B E GRC-256 G

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.

Ordinance. 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

AIRS-1040 * B E G

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.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

AIRS-1041 * B E G

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

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.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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.

Ordinance. 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

3.10 CORE SKILL TRAINING (2000)

3.10.1 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.

3.10.2 General.

3.10.2.1 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.

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	SYSTEM OVERVIEW (SYSO)
3.10.4	SET UP (SETUP)
3.10.5	TEST MEASUREMENT DIAGNOSTICS EQUIPMENT (TMDE)
3.10.6	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
3.10.7	COLLATERAL DUTIES (CD)
3.10.8	COMSEC (COMSEC)
3.10.9	FAMILIARIZATION (FAM)
3.10.10	MAINTENANCE MANAGEMENT (MMGT)
3.10.11	OPERATIONS MANAGEMENT (OMGT)
3.10.12	INFORMATION ASSURANCE WORK FORCE A+ (IAWFA)
3.10.13	INFORMATION ASSURANCE WORK FORCE NET+ (IAWFN)
3.10.14	INFORMATION ASSURANCE WORK FORCE A+ TEST (IAWFAT)
3.10.15	INFORMATION ASSURANCE WORK FORCE NET+ TEST (IAWFNT)

3.10.3 SYSTEM OVERVIEW (SYSO) STAGE

3.10.3.1 Purpose. Provide an overview of the capabilities and limitations of unit communication systems.

3.10.3.2 General

3.10.3.2.1 Admin Notes. Knowledge in the capabilities of communication systems is essential to conduct maintenance actions and employ the equipment.

3.10.3.2.2 Crew Requirements. 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(s) assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual's requirement to demonstrate the performance standard.

SYSO-2000	2.0	*	B	L

Goal. State HF, VHF and UHF frequency spectrums.

Requirement. Without the aid of reference, state the frequency spectrum for:

1. HF
2. VHF
3. UHF

Performance Standard. Without the aid of reference, state the frequency spectrum for HF, VHF, and UHF without error.

Instructor. BI, SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

SYSO-2005	2.0	180	B,R,M	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

Performance Standard. Without the aid of reference, describe HF, VHF, UHF, SATCOM radio characteristics without error.

Instructor. BI,SI

Prerequisite. 2000

Ordinance Requirement. None

Range/Target Requirement. 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 11-5820-890-20-1 Ground ICOM Radio Set

SYSO-2010 1.5 * B L

Goal. Identify the characteristics of unit specific communications systems.

Requirement. Identify the characteristics of the AN/MRC-145 and AN/MRC-148.

- 1. AN/MRC-145
 - a. Radio assets
 - b. Mobility
 - c. Power requirements
 - d. Antenna pairing
- 2. AN/MRC-148
 - a. Radio assets
 - b. Mobility
 - c. Power requirements
 - d. Antenna pairing

Performance Standard. With the aid of reference, pass an exam on the above list with 100% accuracy.

Instructor. BI,SI

Prerequisite. 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 11-5820-890-20/1
2. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio

SYSO-2015 1.5 365 B,R,M L

Goal. Describe the characteristics of unit specific generators and the systems they power.

Requirement. Given a list of generators and references, define the characteristics for each:

1. MEP 806
 - a. Frequency
 - b. Voltage(s)
 - c. Load capacity
2. MEP 805
 - a. Frequency
 - b. Voltage(s)
 - c. Load capacity
3. MEP 803
 - a. Frequency
 - b. Voltage(s)
 - c. Load capacity

Performance Standard. With the aid of reference, pass an exam on the above list with 100% accuracy.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 12359A-OD/B Technical Characteristics Expeditionary Power Systems, Equipment
2. TM 09249A/09246A-10/1 Generator Set, Skid Mounted, Tactical Quiet, 30KW, 50/60Hz, MEP 805A/B
3. TM 09247A/09248A-10/1 Generator Set, Skid Mounted, Tactical Quiet, 10KW, 60Hz, MEP 803

3.10.4 SETUP (SETUP) STAGE

3.10.4.1 Purpose. To teach Marine how to safely ground equipment, erect antennas and set up radio sets configured to interface within DASC communications systems.

3.10.4.2 General

Prerequisite. 2000, 2005, 2010, 2015.

Admin Notes. NONE.

Crew Requirements. NONE.

SETUP-2100 3.0 * B (1) Grnd Rod Kit L

Goal. Demonstrate an earth ground installation.

Requirement. Given a grounding kit and PPE.

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. Grounding Kit
6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. With the aid of reference, complete the requirement items. Instructor shall verify the grounding was successful.

Instructor. BI,SI

Prerequisite. 2220

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 9406-15 Ground Procedures Manual

SETUP-2105 4.0 * B (1) CS L

Goal. Erect all ground based and vehicle mounted antennas.

Requirement. Given an CS, SL-3 complete antennas, and PPE, assemble and erect the antennas.

Performance Standard. With the aid of reference, assemble and erect ground based and vehicle mounted antennas.

Instructor. BI,SI

Prerequisite. 2220

Ordinance Requirement. None

Range/Target Requirement. 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

SETUP-2110 8.0 * B 1 CS L

Goal. Install unit specific HF, VHF/UHF/SATCOM radios in the CS.

Requirement. With the aid of applicable technical manuals (TM), install each radio listed below in the CS:

1. AN/VRC 104(v)3
2. AN/VRC 103(v)3

Performance Standard. Properly install the above listed radios IAW references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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

SETUP-2115 2.0 730 B,R,M (1) CS L

Goal. Interface an external radio into the CS.

Requirement. Given a CS and a stand-alone radio set, perform the following:

1. Interface an external radio into the CS
2. Conduct a communications check.

Performance Standard. Without the aid of reference, interface a radio external to the CS and conduct a communications check. Instructor shall verify the communication check was successful.

Instructor. BI,SI

Prerequisite. 2220

Ordinance Requirement. None

Range/Target Requirement. 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

SETUP-2120	2.0	*	B	(1) CAC2S	L

Goal. Interconnect the Processing Display System (PDS) to the Communication System (CS).

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 (PDS)
5. Create Voice Network by interconnecting PDS 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 Marine 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. 2115, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2220, 2370

Ordinance Requirement. None

Range/Target Requirement. 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

SETUP-2125 1.0 1460 B,R,M (1) AN/VRC-103 L

Goal. Configure AN/VRC-103 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 Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

SETUP-2130 1.0 1460 B,R,M (1) AN/VRC-104 L

Goal. Configure AN/VRC-104 for plain text (PT) operations.

Requirement. Given an AN/VRC-104:

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. 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. 2220

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
2. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

SETUP-2135 1.0 180 B,R,M 1 AN/VRC-103, 1 AN/VRC-104 L

Goal. Configure the AN/VRC-103 and the AN/VRC-104 for single channel operations, Cipher Text (CT).

Requirement. Given radios and common fill device with keying material:

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. 2125, 2130, 2220, 2370

Ordinance Requirement. None

Range/Target Requirement. 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

4. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

SETUP-2140 2.0 180 B,R,M 2 AN/VRC-103/Common Fill Device L

Goal. Configure the AN/VRC-103 for SATCOM operation.

Requirement. Given the radios, references, Satellite Access Authorization (SAA), and common fill device with keying material:

1. Configure 5 KHz NB (Non-DAMA) channel.
2. Configure 25 KHz WB (Non-DAMA) channel.
3. Configure DAMA Channel.
4. Load correct fill for type of radio utilized.
5. Conduct an encrypted radio check.

Performance Standard. With the aid of reference, configure the requirement items and conduct an encrypted communications check. Instructor will verify communications check was successful.

Instructor. BI,SI

Prerequisite. 2115, 2135, 2145, 2370

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Satellite Access Authorization

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

SETUP-2145 1.0 180 B,R,M (1) AN/VRC-103 (1) AV-2040-2 L

Goal. Setup satellite antenna.

Requirement. Given one AN/VRC-103 and one AV-2040-2, applicable references, and Satellite Access Authorization Letter:

1. Connect the AV-2040-2 to the AN/VRC-103.
2. Align the satellite antenna for correct azimuth.
3. Align the satellite antenna for correct elevation.

Performance Standard. With the aid of reference, setup AV-2040-2 by completing the requirement items.

Instructor. BI,SI

Prerequisite. 2115, 2125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set

SETUP-2150 2.0 180 B,R,M 2 AN/VRC-103 L

Goal. Configure the AN/VRC-103 radio for enhanced operation.

Requirement. Given the references, a AN/VRC-103, and common fill device with keying material, a computer loaded with the Radio Programming Application (RPA):

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. Completion of Aviation Communication Systems Managers Course meets this standard.

Instructor. BI,SI

Prerequisite. 2115, 2125, 2135, 2370

Ordinance Requirement. None

Range/Target Requirement. 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 Have Quick Employment

SETUP-2155 2.0 180 B,R,M 2 AN/VRC-104 L

Goal. Configure AN/VRC-104 radio for enhanced operation.

Requirement. Given a AN/VRC-104, and common fill device with keying material, a computer loaded with the Radio Programming Application (RPA), configure Automatic Link Establishment (ALE).

Performance Standard. With the aid of reference, achieve two-way communications with another radio set. Completion of Aviation Communication Systems Managers Course meets this standard.

Instructor. BI,SI

Prerequisite. 2135, 2370

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10822A-OR AN/PRC-150 (C) Advanced Tactical HF Radio
2. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

SETUP-2160 4.0 365 B,R,M L

Goal. Demonstrate field expedient antenna techniques.

Requirement. Given all required materials, construct field expedient antennas using wave propagation techniques:

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. With the aid of reference, complete the requirement items. The antenna shall be able to transmit and receive clear voice/data at determined frequency.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCRP 3-40.3B Radio Operator's Handbook
2. MCRP 3-40.3C Antenna Handbook

SETUP-2165 10.0 * B 1 SHELTER L

Goal. Describe unit specific shelters.

Requirement. Given references and a list of unit specific shelters:

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

Performance Standard. Identify unit specific shelters IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Shelter Technical Manuals

SETUP-2170	2.0	*	B	1 SHELTER	L

Goal. Emplace shelter.

Requirement. Given a site diagram 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.

Instructor. BI,SI

Prerequisite. 2165

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Heavy equipment.

Reference.

1. Applicable Technical Manual and site diagram.

SETUP-2175	2.0	*	B	1 SHELTER	L

Goal. Cable shelter for power.

Requirement. Given references, cables, shelter, and grounding kit, complete the following steps:

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

Performance Standard. Shelter is safely energized as specified by the instructor.

Instructor. BI,SI

Prerequisite. 2170

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable Technical Manual.

3.10.5 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

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

3.10.5.2 General

Prerequisite.

Admin Notes. NONE.

Crew Requirements. NONE.

TMDE-2200	1.0	*	B	(1) Multimeter	L

Goal. Utilize a multimeter.

Requirement. Given a multimeter 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. Measure current.
7. Adhere to safety procedures.

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable user manual.

TMDE-2205	1.0	*	B	(1) Watt-meter	L

Goal. Utilize a watt meter.

Requirement. Given the reference, a watt meter, Voltage Standing Wave Ratio 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 reflective 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 Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

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

TMDE-2210	2.0	*	B	(1) Oscilloscope (1) Signal Generator	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 voltage.
4. Measure frequency.

Performance Standard. With the aid of reference, utilize an oscilloscope by demonstrating the requirement without error.

Instructor. BI,SI

Prerequisite. 2235

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 10479A-OD/1 - Oscilloscope User Guide

TMDE-2215	1.0	*	B	(1) 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.
5. Determine the location of the break using the OTDR.

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable OTDR Manual

TMDE-2220	2.0	*	B	(1) Ground Tester	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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 9406-15

TMDE-2225 1.0 * B (1) Freq Counter L

Goal. Utilize a frequency counter.

Requirement. Given the references, a frequency counter, a radio and a line attenuator:

1. State the purpose of a frequency counter.
2. Verify calibration is current.
3. Verify frequency output.

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable frequency counter manual.

TMDE-2230 2.0 * B (1) TS-4317 (1) Radio L

Goal. Utilize a TS-4317 (Communication Test Set).

Requirement. Given any DASC organic radio, one TS-4317 (Communication Test Set), and applicable references:

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

Performance Standard. With the aid of reference, utilize a TS-4317 by using any unit organic radio to demonstrate requirement items without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 09311A-15/_ Communications Service Monitor TS-4317

Operations Manual.
2. Applicable radio TMs

TMDE-2235 1.5 * B Signal Generator, Radio L

Goal. Demonstrate the proper use of a signal generator.

Requirement. Given a signal generator and a radio demonstrate the following:

1. Verify current calibration
2. Inject an amplitude modulated RF signal
3. Inject a frequency modulated RF signal

Performance Standard. Demonstrate the requirements above IAW the reference and without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable signal generator manual
2. Applicable equipment Technical Manual.

3.10.6 PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE

3.10.6.1 Purpose. To teach the Marine how to conduct basic preventive and corrective maintenance procedures.

3.10.6.2 General

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235.

Admin Notes. None.

Crew Requirements. None.

PMCM-2250 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:

1. Conduct the inventory.
2. Identify and document missing, broken, or unserviceable SL-3 items IAW references

3. Document completed inventory findings in the record jacket.

Performance Standard. With the aid of reference, conduct the SL-3 inventory by completing the requirement items.

Instructor. BI,SI

Prerequisite. 2340

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 4700-15/1_
2. MCO P4790.2_
3. Applicable equipment SL-3 or TM.

PMCM-2255	1.5	*	B		L

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

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

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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 4700-15/_
2. NAVMC 10561
3. MCO P4790.2_

PMCM-2260	2.0	1460	B,R,M	1 AN/VRC-104, TMDE	L

Goal. Perform PMCS on AN/VRC 104.

Requirement. Given the reference, AN/VRC-104, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on a AN/VRC-104 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on AN/VRC 104 and complete required administrative actions.

Instructor. BI,SI

Prerequisite. 2130, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
2. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

PMCM-2265	2.0	1460	B,R,M	1	AN/VRC-103, TMDE	L

Goal. Perform PMCS on AN/VRC 103.

Requirement. Given the reference, AN/VRC-103, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on the AN/VRC-103 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on AN/VRC 103 and complete administrative actions.

Instructor. BI,SI

Prerequisite. 2125, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
2. AN/VRC-103(v)1, AN/VRC-103(v)2, RF-5800M-VXXX VEHICULAR RADIO COMMUNICATIONS SYSTEMS

PMCM-2270	2.0	1460	B,R,M	1	AN/VRC-110, TMDE	L

Goal. Perform PMCS on the AN/VRC 110.

Requirement. Given the reference, AN/VRC-110, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on the AN/VRC-110 IAW the reference.
2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on the AN/VRC 110 and complete administrative actions.

Instructor. BI,SI

Prerequisite. 2005, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System
2. TM-11496A-O1/7 RF-300M-HVXXX MULTIBAND VEHICULAR RADIO SYSTEM

PMCM-2275	2.0	1460	B,R,M	1 AN/VRC-104, TMDE	L

Goal. Perform CM on AN/VRC-104.

Requirement. Given the reference, AN/VRC-104, required component(s), TMDE and maintenance tools listed in the reference:

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. With the aid of reference, perform CM on AN/VRC-104, replace any faulty component(s), and complete required administrative actions.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2105, 2130, 2135, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
2. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

PMCM-2280 2.0 1460 B,R,M 1 AN/VRC-103, TMDE L

Goal. Perform CM on AN/VRC-103.

Requirement. Given the reference, AN/VRC-103, required component(s), TMDE and maintenance tools listed in the reference:

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. With the aid of reference, perform CM on AN/VRC 103, replace any faulty component(s), and complete required administrative actions.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2105, 2125, 2135, 2145, 2150, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
2. AN/VRC-103(v)1, AN/VRC-103(v)2, RF-5800M-VXXX VEHICULAR RADIO COMMUNICATIONS SYSTEMS

PMCM-2285 2.0 1460 B,R,M 1 AN/VRC-110, TMDE L

Goal. Perform CM on AN/VRC-110.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference:

1. Conduct CM on the AN/VRC-110 IAW the reference and identify faulty component on the AN/VRC 110 system.
 - a. ON689740-__ (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. With the aid of reference, perform CM on AN/VRC-110, replace any faulty component(s), and complete required administrative actions.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2105, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM-11496A-OI RF-300M-HVXXX Multiband Vehicular Radio System

PMCM-2290	3.0	1460	B,R,M	1 CS, 1 VRC-103, 1 VRC-104, TMDE	L

Goal. Perform CM on the CS system.

Requirement. Given the reference, required component(s), TMDE and maintenance tools listed in the reference:

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. Remove and replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.

Performance Standard. With the aid of reference, perform CM on CS, replace any faulty component(s), and complete required administrative actions.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2100, 2105, 2110, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2275, 2280, 2370, 2518, 3000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 12041A/15050A-OD/2 CAC2S System User Manual

2. TM 12041A/15050A-OD/1 CAC2S System Maintenance Manual
3. System User Manual DSAN 5.13
3. TM 10597A-OR/4 Manpack Radio Operation Manual AN/PRC-117F(V)1(C)Radio Set
4. TM 10822A-OR AN/PRC-150(C) Advanced Tactical HF Radio
5. RF-5800H 150-WATT Communication System and Installation & Maintenance Manual.

PMCM-2295 2.0 365 B,R,M L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access;

1. Login to GCCS.
 2. Open a new service request
- Forward service request to the Maintenance Chief.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. GCCS

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

3.10.7 COLLATERAL DUTIES (CD) STAGE

3.10.7.1 Purpose. To familiarize the Marine on the duties and responsibilities of each collateral duty in a maintenance shop.

3.10.7.2 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. The core maintenance collateral duties are:

1. Calibrations

2. Modifications
3. Tool Control
4. Publications
5. Safety/Hazardous Materials (HAZMAT)
6. Embarkation
7. Marine Integrated Maintenance Management Service (GCSS)
8. Equipment Records
9. Quality Control

Crew Requirements. NONE.

CD-2300 8.0 * B 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. GCSS
 - a. State the purpose of the GCSS program.
 - b. State the duty responsibilities.
9. Records
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
 - c. State the purpose of an equipment record jacket and list the minimum content required per MCO P4790.2.
10. Quality Control
 - a. State the purpose of the quality control program.
 - b. State the duty responsibilities.

Performance Standard. After each CD brief, each collateral duty holder will ask the Marine to verbally state the purpose and responsibilities of that CD. Once all CD briefs have been received the event is considered complete.

Instructor. BI,SI.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2305 1.0 730 B,R,M TMDE 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.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MMO SOP

CD-2310 2.0 730 B,R,M L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references:

1. Describe the purpose of the maintenance modification program
2. Demonstrate how modifications are:
 - a. Identified
 - b. Installed
 - c. Verified
 - d. Recorded

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

Instructor. BI,SI.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. PLMS
2. MCO P4790.2C,
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

CD-2315	2.0	730	B,R,M	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 they are serviceable.
5. State the process for replacement of the unserviceable tools.
6. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items. Instructor will ensure all items are serviceable, account for, and documented in the record jacket.

Instructor. BI,SI

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MMO SOP
2. MCO P4790.2_

CD-2320 2.0 730 B,R,M L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references:

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. Instructor will randomly select three publications and have the Marine locate them and verify they are up to-date.

Instructor. BI,SI.

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. 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-2325 2.0 730 B,R,M E L

Goal. Identify major Maintenance Safety Program elements.

Requirement. With the aid of references;

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, pass a exam on the requirements noted above with 80% accuracy.

Instructor. BI,SI.

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. 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-2330	2.0	365	B,R,M	L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references:

- 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.

Instructor. BI,SI.

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. 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/owasrch.search_form?p_doc_type=STANDARDS&p_toc_level=0

CD-2335	3.0	730	B,R,M	L

Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references:

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 four key elements listed above without error.

Instructor. BI,SI.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. 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-2340	1.0	*	B	L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket:

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. Instructor will ensure the IPR is complete and accurate.

Instructor. BI,SI

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2
2. TM-4700-15/1
3. MCO 5210.11E

3.10.8 COMMUNICATION SECURITY (COMSEC) STAGE

3.10.8.1 Purpose. To teach the Marine safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout.

3.10.8.2 General

Prerequisite. NONE

Admin Notes. NONE.

Crew Requirements. NONE.

COMSEC-2350 2.0 365 B,R,M L

Goal. Describe proper handling and storage of classified materials.

Requirement. State and identify 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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P5510.18_
2. EKMS-1
3. SECNAVINST 5510.36

COMSEC-2355 2.0 365 B,R,M L,S

Goal. Ensure physical security of classified areas.

Requirement. Given a scenario and references, illustrate personnel and equipment security procedures.

1. Create guard schedule.
2. Single entry control point.
3. Verify personnel on Access Roster.
4. Construct a Triple Strand Concertina perimeter.
5. Entry points of communication lines.
6. Submit a physical security diagram.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement; instructor will validate that the diagram supports the scenario.

Instructor. BI,SI

Prerequisite. 2350

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

COMSEC-2360 2.0 365 B,R,M L

Goal. Conduct crew change over security procedures.

Requirement. During a crew change over:

1. Conduct Classified Material Control Center inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the inventories and destroy key materials without discrepancy.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

COMSEC-2365 2.0 365 B,R,M L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references:

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.

Instructor. BI,SI

Prerequisite. 2350

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

COMSEC-2370 2.0 365 B,R,M (1) Common Fill Device L

Goal. Utilize 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. Define a 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. Given two (2) common fill devices and the reference, transfer cryptographic information from device to 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.

Instructor. BI,SI

Prerequisite. 2350, 2365

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

3.10.9 FAMILIARIZATION (FAM) STAGE

3.10.9.1 Purpose. To build the Marine's awareness in the fundamentals of MACCS maintenance communication system, tactical data links, system administration, and system networks to include radar and tactical data systems.

3.10.9.2 General

Prerequisite. NONE.

Admin Notes. The performance standard for all events in this stage will be conducted in a question and answer verbal format and with the aid of reference.

Crew Requirements. NONE.

FAM-2400	3.0	*	B	L

Goal. Define Tactical Data Links characteristics.

Requirement. Given the references, state the capability of each data link.

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

Performance Standard. With the aid of reference, state the capability of each data link. .

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2406 2.0 * B (1) AFATDS L

Goal. Identify Advanced Field Artillery Tactical Data System (AFATDS).

Requirement. Given references, complete the following:

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

Performance Standard. With the aid of reference, identify the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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
5. Marinenet - AFATDS Course Code AFATAA

FAM-2408 2.0 * B (1) IOS L

Goal. Identify the IOS.

Requirement. Given the references:

1. Identify the purpose of the IOS.
2. Identify the function of the IOS.
2. Identify software.
3. Identify hardware components.

Performance Standard. With the aid of reference, identify the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. SL-3-10753C
2. IOS/IOW USER'S MANUAL

FAM-2410 2.0 * B L

Goal. Identify the Communications Data Link System (CDLS).

Requirement. Given the reference, complete the following:

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

Performance Standard. With the aid of reference, identify all requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 10987A-OI Technical Manual Communications Data Link System (CDLS) AN/TYQ-101A

FAM-2420 1.0 * B L

Goal. Describe ADCP equipment.

Requirement. Given the references:

1. Describe the purpose of the ADCP operator interface equipment.
2. Describe the purpose of the ADCP voice communications equipment.
3. Describe the purpose of the TADIL-J equipment (to include JRE).

Performance Standard. With the aid of references, describe each requirement item.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. Understanding Link 16 Guidebook for USN & USMC Operators
3. JRE-GW Operation & Maintenance Instruction TO 31S5-TYQ123
8-1
4. AN/PRC-117 Operation Manual Publication # 10515-0109-4100
5. AN/VRC 103 System Installation/Maintenance Manual
Publication # 10515-0110-4200

FAM-2430 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK VII 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. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. UM 2005

3.10.10 MAINTENANCE MANAGEMENT (MMGT) STAGE

3.10.10.1 Purpose. To provide the technician with the basic skills necessary to perform basic and intermediate maintenance shop section functions.

3.10.10.2 General

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100.

Admin Notes. NONE.

Crew Requirements. NONE.

MMGT-2450 3.0 * B L

Goal. Ensure proper preparatory measures are taken for disposition of equipment.

Requirement. Given a scenario, the Material Fielding plans, User's Logistic Support Summary (ULSS), and appropriate directives, 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.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2100, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Equipment Disposition Instructions
2. Supply Instructions
3. User Logistics Supply Support Summary's (ULSS)
4. SL-3 or other inventory documents.
5. MCO P4400.82F Regulated Controlled Item Management

MMGT-2452 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. With the aid of reference, create the PMCS schedule.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MCBUL 3000 _
5. UM 4790-5
6. MCO P4400.16
7. TM 4700.15/1_
8. DLA Handbook
9. Unit MMSOP

MMGT-2456 2.0 1460 B,R,M L

Goal. Identify the float process.

Requirement. Given a practical application scenario, applicable maintenance and supply documents:

1. Define the purpose of the float process.
2. Define the purpose of Critical Low Density items.
3. Identify the key components of the float process.
4. Identify the key documentation within each component of the float process.
5. Identify the float re-computation process.
6. Identify Low Density Float assets.

Performance Standard. With the aid of reference, define the float process and provide recommendations for organizational critical Low Density Float assets and required on-hand quantities to the instructor for approval.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 4790.2_
2. MCO P4400.150_
3. FEDLOG

MMGT-2458 2.0 1460 B,R,M L

Goal. Define the four major funding lines.

Requirement. Given the references, define the four major funding lines.

1. Operation & Maintenance (O&M) Funds
 - a. Planning Estimate (PE)
 - (1) Defense Subsistence Supply 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)

Performance Standard. With the aid of reference, define the requirement items.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

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

MMGT-2460 2.0 * B L

Goal. Induct new equipment into service.

Requirement. Given a practical application, a Material Fielding Plan (MFP) or Users Logistics Support Summary (ULSS) and applicable references:

1. Review the MFP or ULSS.
2. Validate new equipment is properly placed into service.
 - a. Ensure equipment record was created with required documents.
 - b. Ensure an initial LTI was performed
 - c. Ensure initial SL-3 was performed.
 - d. Verify equipment is added to Major Subordinate Command (MSC) Mechanized Allowance List (MAL).

e. Ensure induction of new equipment into calibration cycle if required.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Supply Instructions
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1C
6. MCO P4400.82
7. UM 4400.124
8. MCCDC 1001

MMGT-2462	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 equipment was disposed of IAW instructions in Phase out plan.
 - d. Ensure the equipment records were completed and accompanied equipment.
 - e. Ensure the equipment and proper documentation was sent to Supply for turn-in.
 - f. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Supply Instructions (SI)
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1C
6. MCCDC 1001
7. MCO P4400.82
8. UM 4400.124

MMGT-2464 2.0 1460 B,R,M L

Goal. Ensure Quality Control (QC) procedures are being performed

Requirement. Given the references and equipment records,:

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 forms are used during maintenance cycle
5. Ensure NAVMC-10772 form was completed and verified.
6. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items :

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MMO SOP

MMGT-2466 16.0 1460 B,R,M L

Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting the following 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.
- 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. The instructor will review the findings with the Marine.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 4790.2_
2. MCO P4400.82_
3. MCO P4400.160_
4. MCO P4400.150_
5. MCO 4855.10_
6. MCO 4790.18_
7. MCO 4733.1_
8. MCO 4450.12_
9. MCO 4400.16_
10. MCO 4105.2 W/CH 1
11. UM-PLMS W CH 1-2
12. NAVMC DIR 5100.8
13. NAVMC 2761 DTD 1 JUN 08
14. MCO P5215.17_
15. MCO P5102.1_
16. MCO P5090.2_
17. MCO 5104.2_
18. MCO 5104.1
19. MCO 5100.8
20. MCO 5100.29
21. MCO 1553.3_
22. MCO 3000.11_
23. MCO 3500.14
24. MCO 3710.6 (PRELIM)

MMGT-2468 2.0 * B L

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

Requirement. Given a scenario and applicable references:

1. State the purpose for a TOECR
2. Pull TO&E via the Total Force Structure Management System (TFSMS).
3. Validate the requirement for change.
4. Complete TOECR form, NAVMC 11355.

Performance Standard. With the aid of reference, complete the requirement items. instructor will ensure the NAVMC 11355 supports the scenario.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 5311.1_
2. Unit TO&E

MMGT-2470 2.0 * B L

Goal. Submit a request for equipment using the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given references and an urgent equipment requirement:

1. State the purpose of the Universal Needs Statement (UNS).
2. State the purpose of the urgent UNS.
3. Describe the process for completing a UNS form.
4. Complete and submit an UNS form to support the requirement.

Performance Standard. With the aid of reference, complete the requirement.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. NAVMC 11475
2. MCO 3900.17_

MMGT-2472 40.0 1460 B,R,M L

Goal. Conduct a Consolidated Memorandum Report (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)/Supply System Responsible Items (SSRI) requirements.
 - c. Ensure equipment have record jackets.
 - d. Identify discrepancies, if any.

4. Write and submit a letter of discrepancy within specified time period.

Performance Standard. With the aid of reference, complete a CMR review. Submit the discrepancy letter to the instructor for validation.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

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

MMGT-2474 1.5 1460 B,R,M L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Verify equipment accountability and serviceability
2. Ensure missing and unserviceable items are placed on order.
3. Annotate inventory records without error.

Performance Standard. With the aid of reference, perform inventory control procedures without error.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4400.150_

2. MCO P4790.2_

MMGT-2476 13.0 * B E L

Goal. Identify the functions of maintenance management

Requirements. With the aid of reference, perform the following:

1. Select the statement that identifies a reference associated with the GCSS.
2. Select the statement that identifies the objectives of GCSS.
3. Select the statement that identifies equipment maintenance management procedures.
4. Select the statement that identifies the responsibilities of maintenance management personnel.
5. Select the statement that identifies the information contained in the Table of Organization and Equipment (T/O&E).
6. Select the statement that identifies a step in the process to submit a T/O&E change request.
7. Select the statement that identifies the purpose of supply reports used in Maintenance Management.
8. Select the statement that identifies the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Select the statement that identifies the purpose of maintenance support programs.
10. Select the statement that describes Repairable Issue Point (RIP) procedures.
11. Select the statement that describes RIP customer re-computation procedures.
12. Select the statement that describes a step in the Recoverable Item Report (WIR) procedures.

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

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2456, 2460, 2462, 2464, 2724, 2468, 2470, 2472, 2474, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. MCO P4790.2_
2. MCO P4790.1_
3. TM 4700-15/1_

4. UM 4790.5
5. MCO P440.16_
6. MCBUL 3000

MMGT-2478 3.0 * B E L

Goal. Evaluate maintenance management reports.

Requirements. Given the references and selected reports, perform the following:

1. Identify the information contained in a Maintenance Production Report
 2. Identify an error in a MPR.
 3. Identify the two unit readiness ratings and what they mean
- Identify the information contained in an Exceptions Report

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

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_

MMGT-2480 1.0 * B E L

Goal. Ensure equipment is inducted into maintenance cycle properly.

Requirement. Given an inoperative piece of equipment and references, fill out the required paperwork.

1. Fill out required fields of a service request.
2. Fill out Inspection Tag (NAVMC 1018)

Performance Standard. Fill out the above listed forms with 100% accuracy.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_

3.10.11 OPERATIONS MANAGEMENT (OMGT) STAGE

3.10.11.1 Purpose. To provide the technician the necessary skills to be able to deploy a communications maintenance section to include training in understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

3.10.11.2 General

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Admin Notes. None

Crew Requirements. None

OMGT-2500	4.0	365	B,R,M	E	L

Goal. Identify common agency doctrinal nets and radio connectivity diagrams.

Requirement. Given a list of doctrinal net names in acronym format and references:

1. Define each net acronym.
2. State the purpose and function for each net.
3. Identify agencies required to guard each net.
4. Create a radio connectivity diagram.

Performance Standard. With the aid of reference, pass a exam with 80% accuracy and draw a radio connectivity diagram.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-40.3
2. DRAFT DASC TACSOP

OMGT-2502 2.0 * B E L

Goal. Identify the purpose of key 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. State the purpose and content of the EKMS Callout.

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

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 5-1

OMGT-2504 2.0 * B L

Goal. State key sections of an operational order (OPORD).

Requirement. Given the reference and an OPORD, identify the following sections:

1. State the purpose and major sections of an OPORD.
2. State the purpose and content of the Annex K.
3. State the purpose and content of the OPTASKLINK.
4. State the purpose and content of the EKMS Callout.

Performance Standard. With the aid of reference, describe the key components of an OPORD IAW the reference.
Completion of the MACCS Aviation Communication System Managers Course at MCCES satisfies the requirement.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2502, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 5-1

OMGT-2506	2.0	365	B,R,M	L

Goal. Determine required equipment to support a mission.

Requirement. With the aid of reference and given an operational tasking create a list of equipment that supports the requirements of the mission, to include the following:

1. Major end items.
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 items; the instructor will confirm the list supports the mission.

Instructor. BI,SI

Prerequisite.	2000,	2005,	2010,	2015,	2100,	2105,	2110,	2115,
2120,	2125,	2130,	2135,	2140,	2145,	2150,	2155,	2165,
2170,	2200,	2205,	2210,	2215,	2220,	2225,	2230,	2235,
2250,	2255,	2260,	2265,	2270,	2275,	2280,	2285,	2290,
2300,	2310,	2315,	2320,	2325,	2330,	2340,	2350,	2365,
2370,	2452,	2454,	2480,	2516,	2518,	2520,	2522,	2524,
3000,	3005,	3100,	6100					

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,
3. EKMS-1

OMGT-2508	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:

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 proper grounding system.
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, complete the required items and brief the instructor on the considerations taken for each decision. MarineMarineInstructor will question the Marine during the brief to check for understanding of the site survey process and will mentor the Marine throughout.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 5-1
4. TM 12041A/15050A-OD/2 CAC2S System User Manual
5. IEEE C95.1-1991
6. NAVSHIPS 0967-317-7010
7. TM 9406-15
8. [DODINST 6055.11](#)
9. [BUMED 6470.23](#)
10. OPNAVINST 5100.23 Series
11. NAVSEA OP 3565 / NAVAIR 16-1-529 / NAVELEX 0967-LP-624-6010 / Volume II
12. [Navy Safety Center](#)
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2510	2.0	365	B,R,M	L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report;

1. Determine the mission requirements.
2. Determine the duration of operations.
3. Determine total crews required to support the mission.
4. Determine the crew composition/requirements.
5. Write the crew schedule
6. Submit the crew schedule to the instructor.
7. 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;

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506,

2516, 2518, 2520, 2522, 2524, 2910, 3000, 3005, 3100, 3305, 6100, 8000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25

OMGT-2512 3.0 * B S/L

Goal. Determine supply support requirements.

Requirement. Given the reference and a 30 day operational scenario:

1. Determine supply needs with consideration of the following:
 - b. Location
 - c. Equipment
 - d. Daily operations
 - e. Climate
2. Identify float requirements and deficiencies.
3. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, complete the requirements.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2474, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3215, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25

OMGT-2514 1.5 * B S/L

Goal. Develop an embarkation plan.

Requirement. Given the references and a 30 day operational scenario:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL) that lists the necessary equipment to support the specified mission.

3. Identify heavy equipment required to move EDL items.
4. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement items and develop an embarkation plan to support the scenario.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2480, 2502, 2504, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-4

Reference

1. MCWP 3-25
2. TM 12041A/15050A-OD/2 CAC2S System User Manual
3. MCRP 4-11.3G Unit Embarkation Handbook

OMGT-2516	8.0	1460	B,R,M	S/L

Goal. Write a packing list and Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.
4. Define the purpose of an EDL.
5. Describe essential EDL contents.
6. Complete an EDL.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-4

Reference

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

OMGT-2518 4.0 365 B,R,M L

Goal. Identify power requirements.

Requirement. Given a scenario and references:

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, and without error, provide power requirements to support the scenario.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Utilities

Reference. Refer to equipment applicable TMs.

OMGT-2520 1.0 * B S/L

Goal. Submit a frequency request.

Requirement. Given the reference and a 30 day scenario:

1. Explain the frequency request process.
2. Determine required frequencies.
3. Identify the purpose and sections of:
 - a. Frequency Request Form (DD-1494)
 - b. Satellite Access Request (SAR) form.
4. Complete a DD-1494 form.
5. Complete a Satellite Access Request (SAR) form.
6. Identify the spectrum manager for each request

Performance Standard. With the aid of reference, submit completed request forms to the instructor for final approval.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2522 1.0 * B S/L

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario and references, identify materials required to sustain operations

1. Transport requirements
2. MHE requirements
3. Class 9 block
4. Supply requirements

Performance Standard. With the aid of reference, submit a completed LSR to the instructor for accuracy and validation.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-4, Supply

Reference.

1. MCO P4790.2_

OMGT-2524 2.0 1460 B,R,M S/L

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

Requirement. Given a deployment scenario and references, submit a BOM request.

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.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. MCO P4400.150_

3.10.12 INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE

3.10.12.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

3.10.12.2 General

Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA A+ 220-801 and 220-802 exam objective. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA A+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

Prerequisites. None

Crew Requirements. None

IAWFA-2600	1.0	*	B	E	L

Goal. Describe BIOS settings.

Requirement. Without the aid of reference, describe:

1. Firmware upgrades - flash BIOS
2. BIOS component information
 - a. RAM
 - b. Hard drive
 - c. Optical drive
 - d. CPU
3. BIOS configurations
 - a. Boot sequence
 - b. Enabling and disabling devices
 - c. Date/time
 - d. Clock speeds
 - e. Virtualization support
 - (1) BIOS security (passwords, drive encryption: TPM, lo-jack)
4. built-in diagnostics
5. monitoring
 - a. Temperature monitoring
 - b. Fan speeds
 - c. Intrusion detection/notification
 - d. Voltage
 - e. Clock
 - f. Bus speed

Performance Standard. Pass an examination with an 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2601	1.0	*	B	E	L

Goal. Differentiate between motherboard components, their purposes, and properties.

Requirement. Without the aid of reference, describe:

1. motherboard sizes
 - a. ATX
 - b. Micro-ATX
 - c. ITX
2. expansion slots
 - a. PCI
 - b. PCI-X

- c. PCIe
- d. miniPCI
- e. CNR
- f. AGP2x, 4x, 8x
- 3. RAM slots
- 4. CPU sockets
- 5. Chipsets
 - a. North Bridge
 - b. South Bridge
 - c. CMOS battery
- 6. Jumpers
- 7. Power connections and types
- 8. Fan connectors
- 9. Front panel connectors
 - a. USB
 - b. Audio
 - c. Power button
 - d. Power light
 - e. Drive activity lights
 - f. Reset button
- 10. Bus speeds

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2602	1.0	*	B	E	L

Goal. Compare RAM types and features.

Requirement. Without the aid of reference, describe:

- 1. Types of RAM
 - a. DDR
 - b. DDR2
 - c. DDR3
 - d. SDRAM
 - e. SODIMM
 - f. RAMBUS
 - g. DIMM
 - h. Parity vs. non-parity
 - i. ECC vs. non-ECC
 - j. RAM configurations
- 2. Single channel vs. dual channel vs. triple channel

- a. Single sided vs. double sided
3. RAM compatibility and speed

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2603	1.0	*	B	E	L

Goal. Describe the configuration of expansion cards.

Requirement. Without the aid of reference, describe:

1. Sound cards
2. Video cards
3. Network cards
4. Serial and parallel cards
5. USB cards
6. Firewire cards
7. Storage cards
8. Modem cards
9. Wireless/cellular cards
10. TV tuner cards
11. Video capture cards
12. Riser cards

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2604	1.0	*	B	E	L

Goal. Describe configuration of storage devices and appropriate media.

Requirement. Without the aid of reference, describe:

1. Optical drives
 - a. CD-ROM
 - b. DVD-ROM
 - c. Blu-Ray
2. Combo drives and burners
 - a. CD-RW
 - b. DVD-RW
 - c. Dual Layer DVD-RW
 - d. BD-R
 - e. BD-RE
3. Connection types
 - a. External
 - (1) USB
 - (2) Firewire
 - (3) eSATA
 - (4) Ethernet
 - b. Internal SATA, IDE and SCSI
4. IDE configuration and setup (Master, Slave, Cable Select)
5. SCSI IDs (0 - 15)
 - a. Hot swappable drives
6. Hard drives
 - a. Magnetic
 - b. 5400 rpm
 - c. 7200 rpm
 - d. 10,000 rpm
 - e. 15,000 rpm
7. Solid state/flash drives
 - a. Compact flash
 - b. SD
 - c. Micro-SD
 - d. Mini-SD
 - e. xD
 - f. SSD
8. RAID types
 - a. 0
 - b. 1
 - c. 5
 - d. 10
9. Floppy drive
10. Tape drive
11. Media capacity
 - a. CD
 - b. CD-RW
 - c. DVD-RW
 - d. DVD
 - e. Blu-Ray
 - f. Tape
 - g. Floppy
 - h. DL DVD

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2605	1.0	*	B	E	L

Goal. Differentiate among various CPU types and features and the appropriate cooling method.

Requirement. Without the aid of reference, describe:

1. Socket types
 - a. Intel: LGA, 775, 1155, 1156, 1366
 - b. AMD: 940, AM2, AM2+, AM3, AM3+, FM1, F
2. Characteristics
 - a. Speeds
 - b. Cores
 - c. Cache size/type
 - d. Hyperthreading
 - e. Virtualization support
 - f. Architecture (32-bit vs. 64-bit)
 - g. Integrated GPU
3. Cooling
 - a. Heat sink
 - b. Fans
 - c. Thermal paste
 - d. Liquid-based

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2606	1.0	*	B	E	L

Goal. Compare the purpose of various connection interfaces.

Requirement. Without the aid of reference, describe:

1. Physical connections
 - a. USB 1.1 vs. 2.0 vs. 3.0 speed and distance characteristic
 - (1) Connector types: A, B, mini, micro
 - b. Firewire 400 vs. Firewire 800 speed and distance characteristics
 - c. SATA1 vs. SATA2 vs. SATA3, eSATA, IDE speeds
 - d. Other connector types
 - (1) Serial
 - (2) Parallel
 - (3) VGA
 - (4) HDMI
 - (5) DVI
 - (6) Audio
 - (7) RJ-45
 - (8) RJ-11
 - e. Analog vs. digital transmission
 - (1) VGA vs. HDMI
2. Speeds, distances and frequencies of wireless device connections
 - a. Bluetooth
 - b. IR
 - c. RF

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2607	1.0	*	B	E	L

Goal. Identify the appropriate power supply based on a given scenario.

Requirement. Without the aid of reference, describe:

1. Connector types and their voltages
 - a. SATA
 - b. Molex
 - (1) 4/8-pin 12v
 - (2) PCIe 6/8-pin
 - (3) 20-pin
 - (4) 24-pin
 - (5) Floppy

2. Specifications
 - a. Wattage
 - b. Size
 - c. Number of connectors
 - d. ATX
 - e. Micro-ATX
3. Dual voltage options

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2608	1.0	*	B	E	L

Goal. Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs.

Requirement. Without the aid of reference, describe:

1. Graphic / CAD / CAM design workstation
 - a. Powerful processor
 - b. High-end video
 - c. Maximum RAM
2. Audio/Video editing workstation
 - a. Specialized audio and video card
 - b. Large fast hard drive
 - c. Dual monitors
3. Virtualization workstation
 - a. Maximum RAM and CPU cores
4. Gaming PC
 - a. Powerful processor
 - b. High-end video/specialized GPU
 - c. Better sound card
 - d. High-end cooling
5. Home Theater PC
 - a. Surround sound audio
 - b. HDMI output
 - c. HTPC compact form factor
 - d. TV tuner
6. Standard thick client
 - a. Desktop applications
 - b. Meets recommended requirements for running Windows
7. Thin client
 - a. Basic applications
 - b. Meets minimum requirements for running Windows

8. Home Server PC
1. Media streaming
 2. File sharing
 3. Print sharing
 4. Gigabit NIC
 5. RAID array

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2609	1.0	*	B	E	L

Goal. Given a scenario, evaluate types and features of display devices.

Requirement. Without the aid of reference, describe:

1. Types of displays
 - a. CRT
 - b. LCD
 - c. LED
 - d. Plasma
 - e. Projector
 - f. OLED
2. Refresh rates
3. Resolution
4. Native resolution
5. Brightness/lumens
6. Analog vs. digital
7. Privacy/antiglare filters
8. Multiple displays

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2610 1.0 * B E L

Goal. Identify connector types and associated cables.

Requirement. Without the aid of reference, describe:

1. Display connector types
 - a. DVI-D
 - b. DVI-I
 - c. DVI-A
 - d. Display port
 - e. RCA
 - f. DB-15
 - g. BNC
 - h. miniHDMI
 - i. RJ-45
 - j. miniDin-6
2. Display cable types
 - a. HDMI
 - b. DVI
 - c. VGA
 - d. Component
 - e. Composite
 - f. S-video
 - g. RGB
 - h. Coaxial
 - i. Ethernet
3. Device connectors and pin arrangements
 - a. SATA
 - b. eSATA
 - c. PATA
 - (1) IDE
 - (2) EIDE
 - d. Floppy
 - e. USB
 - f. IEEE1394
 - g. SCSI
 - h. PS/2
 - i. Parallel
 - j. Serial
 - k. Audio
 - l. RJ-45
4. Device cable types
 - a. SATA
 - b. eSATA
 - c. IDE
 - d. EIDE
 - e. Floppy
 - f. USB
 - g. IEEE1394
 - h. SCSI
 - (1) 68pin vs. 50pin vs. 25pin
 - i. Parallel
 - j. Serial
 - k. Ethernet

1. Phone

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2611 1.0 * B E L

Goal. Describe the configuration of various peripheral devices.

Requirement. Without the aid of reference, describe:

1. Input devices
 - a. Mouse
 - b. Keyboard
 - c. Touch screen
 - d. Scanner
 - e. Barcode reader
 - f. KVM
 - g. Microphone
 - h. Biometric devices
 - i. Game pads
 - j. Joysticks
 - k. Digitizer
2. Multimedia devices
 - a. Digital cameras
 - b. Microphone
 - c. Webcam
 - d. Camcorder
 - e. MIDI enabled devices
3. Output devices
 - a. Printers
 - b. Speakers
 - c. Display devices

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2612 1.0 * B E L

Goal. Identify types of network cables and connectors.

Requirement. Without the aid of reference, describe:

1. Fiber
 - a. Connectors: SC, ST and LC
2. Twisted Pair
 - a. Connectors: RJ-11, RJ-45
 - b. Wiring standards: T568A, T568B
3. Coaxial
 - a. Connectors: BNC, F-connector

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2613 1.0 * B E L

Goal. Categorize characteristics of connectors and cabling.

Requirement. Without the aid of reference, describe:

1. Fiber
 - a. Types (single-mode vs. multi-mode)
 - b. Speed and transmission limitations
2. Twisted pair
 - a. Types: STP, UTP, CAT3, CAT5, CAT5e, CAT6, plenum, PVC
 - b. Speed and transmission limitations
3. Coaxial
 - a. Types: RG-6, RG-59
 - b. Speed and transmission limitations

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2614 1.0 * B E L

Goal. Explain characteristics of TCP/IP.

Requirement. Without the aid of reference, describe:

1. IP class
 - a. Class A
 - b. Class B
 - c. Class C
2. IPv4 vs. IPv6
3. Public vs. private vs. APIPA
4. Static vs. dynamic
5. Client-side DNS
6. DHCP
7. Subnet mask
8. Gateway

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2615 1.0 * B E L

Goal. Explain common TCP and UDP ports, protocols, and their purpose.

Requirement. Without the aid of reference, describe:

1. Ports
 - a. 21 - FTP
 - b. 23 - TELNET
 - c. 25 - SMTP
 - d. 53 - DNS
 - e. 80 - HTTP

- f. 110 - POP3
- g. 143 - IMAP
- h. 443 - HTTPS
- i. 3389 - RDP
- 2. Protocols
 - a. DHCP
 - b. DNS
 - c. LDAP
 - d. SNMP
 - e. SMB
 - f. SSH
 - g. SFTP
- 3. TCP vs. UDP

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2616	1.0	*	B	E	L

Goal. Compare wireless networking standards and encryption types.

Requirement. Without the aid of reference, describe:

- 1. Standards
 - a. 802.11 a/b/g/n
 - b. Speeds, distances and frequencies
- 2. Encryption types
 - a. WEP, WPA, WPA2, TKIP, AES

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2617 1.0 * B E L

Goal. Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings.

Requirement. Without the aid of reference, describe:

1. MAC filtering
2. Channels (1 - 11)
3. Port forwarding, port triggering
4. SSID broadcast (on/off)
5. Wireless encryption
6. Firewall
7. DHCP (on/off)
8. DMZ
9. NAT
10. WPS
11. Basic QoS

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2618 1 * B E L

Goal. Compare Internet connection types and features.

Requirement. Without the aid of reference, describe:

1. Cable
2. DSL
3. Dial-up
4. Fiber
5. Satellite
6. ISDN
7. Cellular (mobile hotspot)
8. Line of sight wireless internet service
9. WiMAX

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2619	1	*	B	E	L

Goal. Identify various types of networks.

Requirement. Without the aid of reference, describe:

1. LAN
2. WAN
3. PAN
4. MAN
5. Topologies
 - a. Mesh
 - b. Ring
 - c. Bus
 - d. Star
 - e. Hybrid

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2620	1	*	B	E	L

Goal. Compare network devices their functions and features.

Requirement. Without the aid of reference, describe:

1. Hub
2. Switch
3. Router
4. Access point

5. Bridge
6. Modem
7. NAS
8. Firewall
9. VoIP phones
10. Internet appliance

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2621	1	*	B	E	L

Goal. Describe the use of appropriate networking tools.

Requirement. Without the aid of reference, describe:

1. Crimper
2. Multimeter
3. Toner probe
4. Cable tester
5. Loopback plug
6. Punchdown tool

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2622	1	*	B	E	L

Goal. Describe the configuration of laptop hardware components.

Requirement. Without the aid of reference, describe:

1. Expansion options
 - a. Express card /34
 - b. Express card /54
 - c. PCMCIA
 - d. SODIMM
 - e. Flash
2. Hardware/device replacement
 - a. Keyboard
 - b. Hard Drive (2.5 vs. 3.5)
 - c. Memory
 - d. Optical drive
 - e. Wireless card
 - f. Mini-PCie
 - g. screen
 - h. DC jack
 - i. Battery
 - j. Touchpad
 - k. Plastics
 - l. Speaker
 - m. System board
 - n. CPU

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2623	1	*	B	E	L

Goal. Compare the components within the display of a laptop.

Requirement. Without the aid of reference, describe:

1. Types of laptop displays
 - a. LCD
 - b. LED
 - c. OLED
 - d. Plasma
2. Wi-Fi antenna connector/placement
3. Inverter and its function
4. Backlight

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2624	1	*	B	E	L

Goal. Compare laptop features.

Requirement. Without the aid of reference, describe:

1. Special function keys
 - a. Dual displays
 - b. Wireless (on/off)
 - c. Volume settings
 - d. Screen brightness
 - e. Bluetooth (on/off)
 - f. Keyboard backlight
2. Docking station vs. port replicator
3. Physical laptop lock and cable lock

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2625	1	*	B	E	L

Goal. Explain the differences between the various printer types and imaging process.

Requirement. Without the aid of reference, describe:

1. Laser
 - a. Imaging drum, fuser assembly, transfer belt, transfer roller, pickup rollers, separate pads, duplexing assembly
 - b. Imaging process: processing, charging, exposing, developing, transferring, fusing and cleaning
2. Inkjet

- a. Ink cartridge, print head, roller, feeder, duplexing assembly, carriage and belt
 - b. Calibration
 - 3. Thermal
 - a. Feed assembly, heating element
 - b. Special thermal paper
 - 4. Impact
 - a. Print head, ribbon, tractor feed
 - b. Impact paper
- Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2626	1	*	B	E	L

Goal. Describe the configuration of printers.

Requirement. Without the aid of reference, describe:

1. Use appropriate printer drivers for a given operating system
2. Print device sharing
 - a. Wired
3. USB
4. Parallel
5. Serial
6. Ethernet
 - a. Wireless
7. Bluetooth
8. 802.11x
9. Infrared (IR)
 - a. Printer hardware print server
10. Printer sharing
 - a. Sharing local/networked printer via Operating System settings

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2629	1	*	B	E	L

Goal. Explain environmental impacts and the purpose of environmental controls.

Requirement. Without the aid of reference, describe:

1. MSDS documentation for handling and disposal
2. Temperature, humidity level awareness and proper ventilation
3. Power surges, brownouts, blackouts
 - a. Battery backup
 - b. Surge suppressor
4. Protection from airborne particles
 - a. Enclosures
 - b. Air filters
5. Dust and debris
 - a. Compressed air
 - b. Vacuums
6. Component handling and protection
 - a. Antistatic bags
7. Compliance to local government regulations

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2630	1	*	B	E	L

Goal. Describe proper communication and professionalism.

Requirement. Without the aid of reference, describe:

1. Use proper language - avoid jargon, acronyms, slang when applicable
2. Maintain a positive attitude
3. Listen and do not interrupt the customer
4. Be culturally sensitive
5. Be on time (if late contact the customer)
6. Avoid distractions
 - a. Personal calls
 - b. Talking to co-workers while interacting with customers
 - c. Personal interruptions
7. Dealing with difficult customer or situation
 - a. Avoid arguing with customers and/or being defensive
 - b. Do not minimize customer's problems
 - c. Avoid being judgmental
 - d. Clarify customer statements (ask open ended questions to narrow the scope of the problem, restate the issue or question to verify understanding)
8. Set and meet expectations/timeline and communicate status with the customer
 - a. Offer different repair/replacement options if applicable
 - b. Provide proper documentation on the services provided
 - c. Follow up with customer/user at a later date to verify
9. Deal appropriately with customers confidential materials
 - a. Located on a computer, desktop, printer, etc

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2631	1	*	B	E	L

Goal. Explain the fundamentals of dealing with prohibited content/activity.

Requirement. Without the aid of reference, describe:

1. First response
 - a. Identify
 - b. Report through proper channels
 - c. Data/device preservation
2. Use of documentation/documentation changes
3. Chain of custody
 - a. Tracking of evidence/documenting process

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2632	1	*	B	E	L

Goal. Compare the features and requirements of various Microsoft Operating Systems.

Requirement. Without the aid of reference, describe:

1. Windows XP Home, Windows XP Professional, Windows XP Media Center, Windows XP 64-bit Professional
2. Windows Vista Home Basic, Windows Vista Home Premium, Windows Vista Business, Windows Vista Ultimate, Windows Vista Enterprise
3. Windows 7 Starter, Windows 7 Home Premium, Windows 7 Professional, Windows 7 Ultimate, Windows 7 Enterprise
4. Features:
 - a. 32-bit vs. 64-bit
 - b. Aero, gadgets, user account control, bit-locker, shadow copy, system restore, ready boost, sidebar, compatibility mode, XP mode, easy transfer, administrative tools, defender, Windows firewall, security center, event viewer, file structure and paths, category view vs. classic view
5. Upgrade paths - differences between in place upgrades, compatibility tools, Windows upgrade OS advisor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2633	1	*	B	E	L

Goal. Describe the configuration of the operating system using the most appropriate method.

Requirement. Without the aid of reference, describe:

1. Boot methods
 - a. USB
 - b. CD-ROM
 - c. DVD
 - d. PXE
2. Type of installations
 - a. Creating image
 - b. Unattended installation
 - c. Upgrade
 - d. Clean install
 - e. Repair installation
 - f. Multiboot
 - g. Remote network installation
 - h. Image deployment
3. Partitioning
 - a. Dynamic
 - b. Basic
 - c. Primary
 - d. Extended
 - e. Logical
4. File system types/formatting
 - a. FAT
 - b. FAT32
 - c. NTFS
 - d. CDFS
 - e. Quick format vs. full format
5. Load alternate third party drivers when necessary
6. Workgroup vs. Domain setup
7. Time/date/region/language settings
8. Driver installation, software and windows updates
9. Factory recovery partition

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2634	1	*	B	E	L

Goal. Describe appropriate command line tools.

Requirement. Without the aid of reference, describe:

1. Networking
 - a. PING
 - b. TRACERT
 - c. NETSTAT
 - d. IPCONFIG
 - e. NET
 - f. NSLOOKUP
 - g. NBTSTAT
2. Operating System
 - a. KILL
 - b. BOOTREC
 - c. SHUTDOWN
 - d. TLIST
 - e. MD
 - f. RD
 - g. CD
 - h. DEL
 - i. FDISK
 - j. FORMAT
 - k. COPY
 - l. XCOPY
 - m. ROBOCOPY
 - n. DISKPART
 - o. SFC
 - p. CHKDSK
 - q. [command name] /?
3. Recovery console
 - a. Fixboot
 - b. Fixmbr

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2635	1	*	B	E	L

Goal. Use appropriate operating system features and tools.

Requirement. Without the aid of reference, describe:

1. Administrative
 - a. Computer management
 - b. Device manager

- c. Users and groups
- d. Local security policy
- e. Performance monitor
- f. Services
- g. System configuration
- h. Task scheduler
- i. Component services
- j. Data sources
- k. Print management
- l. Windows memory diagnostics
- m. Windows firewall
- n. Advanced security
- 2. MSCONFIG
 - a. General
 - b. Boot
 - c. Services
 - d. Startup
 - e. Tools
- 3. Task Manager
 - a. Applications
 - b. Processes
 - c. Performance
 - d. Networking
 - e. Users
- 4. Disk management
 - a. Drive status
 - b. Mounting
 - c. Extending partitions
 - d. Splitting partitions
 - e. Assigning drive letters
 - f. Adding drives
 - g. Adding arrays
- 5. Other
 - a. User State Migration tool (USMT), File and Settings Transfer Wizard, Windows Easy Transfer
- 6. Run line utilities
 - a. MSCONFIG
 - b. REGEDIT
 - c. CMD
 - d. SERVICES.MSC
 - e. MMC
 - f. MSTSC
 - g. NOTEPAD
 - h. EXPLORER
 - i. MSINFO32
 - j. DXDIAG

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2636 1 * B E L

Goal. Use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).

Requirement. Without the aid of reference, describe:

1. Common to all Microsoft Operating Systems
 - a. Internet options
 - (1) Connections
 - (2) Security
 - (3) General
 - (4) Privacy
 - (5) Programs
 - (6) Advanced
 - b. Display
 - (1) Resolution
 - c. User accounts
 - d. Folder options
 - (1) Sharing
 - (2) View hidden files
 - (3) Hide extensions
 - (4) Layout
 - e. System
 - (1) Performance (virtual memory)
 - (2) Hardware profiles
 - (3) Remote settings
 - (4) System protection
 - f. Security center
 - g. Windows firewall
 - h. Power options
 - (1) Hibernate
 - (2) Power plans
 - (3) Sleep/suspend
 - (4) Standby
2. Unique to Windows XP
 - a. Add/remove programs
 - b. Network connections
 - c. Printers and faxes
 - d. Automatic updates
 - e. Network setup wizard
3. Unique to Vista
 - a. Tablet PC settings
 - b. Pen and input devices
 - c. Offline files
 - d. Problem reports and solutions
 - e. Printers
4. Unique to Windows 7
 - a. HomeGroup
 - b. Action center
 - c. Remote applications and desktop applications

d. Troubleshooting

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2637	1	*	B	E	L

Goal. Configure Windows networking on a client/desktop.

Requirement. Without the aid of reference, describe:

1. HomeGroup, file/print sharing
2. WorkGroup vs. domain setup
3. Network shares/mapping drives
4. Establish networking connections
 - a. VPN
 - b. Dialups
 - c. Wireless
 - d. Wired
 - e. WWAN (Cellular)
5. Proxy settings
6. Remote desktop
7. Home vs. Work vs. Public network settings
8. Firewall settings
 - a. Exceptions
 - b. Configuration
 - c. Enabling/disabling Windows firewall
9. Configuring an alternative IP address in Windows
 - a. IP addressing
 - b. Subnet mask
 - c. DNS
 - d. Gateway
10. Network card properties
 - a. Half duplex/full duplex/auto
 - b. Speed
 - c. Wake-on-LAN
 - d. PoE
 - e. QoS

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2638	1	*	B	E	L

Goal. Perform preventive maintenance procedures using appropriate tools.

Requirement. Without the aid of reference, describe:

1. Best practices
 - a. Schedules backups
 - b. Scheduled check disks
 - c. Scheduled defragmentation
 - d. Windows updates
 - e. Patch management
 - f. Driver/firmware updates
 - g. Antivirus updates
2. Tools
 - a. Backup
 - b. System restore
 - c. Check disk
 - d. Recovery image
 - e. Defrag

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2639	1	*	B	E	L

Goal. Explain the differences among basic OS security settings.

Requirement. Without the aid of reference, describe:

1. User and groups
 - a. Administrator

- b. Power user
- c. Guest
- d. Standard user
- 2. NTFS vs. Share permissions
 - a. Allow vs. deny
 - b. Moving vs. copying folders and files
 - c. File attributes
- 3. Shared files and folders
 - a. Administrative shares vs. local shares
 - b. Permission propagation
 - c. Inheritance
- 4. System files and folders
- 5. User authentication
 - a. Single sign-on

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2640	1	*	B	E	L

Goal. Explain the basics of client-side virtualization.

Requirement. Without the aid of reference, describe:

- 1. Purpose of virtual machines
- 2. Resource requirements
- 3. Emulator requirements
- 4. Security requirements
- 5. Network requirements
- 6. Hypervisor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2641	1	*	B	E	L

Goal. Apply and use common prevention methods.

Requirement. Without the aid of reference, describe:

1. Physical security
 - a. Lock doors
 - b. Tailgating
 - c. Securing physical documents/passwords/shredding
 - d. Biometrics
 - e. Badges
 - f. Key fobs
 - g. RFID badge
 - h. RSA token
 - i. Privacy filters
 - j. Retinal
2. Digital security
 - a. Antivirus
 - b. Firewalls
 - c. Antispyware
 - d. User authentication/strong passwords
 - e. Directory permissions
3. User education
4. Principle of least privilege

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2642	1	*	B	E	L

Goal. Compare common security threats.

Requirement. Without the aid of reference, describe:

1. Social engineering
2. Malware
3. Rootkits
4. Phishing
5. Shoulder surfing
6. Spyware

- 7. Viruses
 - a. Worms
 - b. Trojans

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2643	1	*	B	E	L

Goal. Implement security best practices to secure a workstation.

Requirement. Without the aid of reference, describe:

- 1. Setting strong passwords
- 2. Requiring passwords
- 3. Restricting user permissions
- 4. Changing default user names
- 5. Disabling guest account
- 6. Screensaver required password
- 7. Disable autorun

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2644	1	*	B	E	L

Goal. Use the appropriate data destruction/disposal method.

Requirement. Without the aid of reference, describe:

- 1. Low level format vs. standard format
- 2. Hard drive sanitation and sanitation methods

- a. Overwrite
- b. Drive wipe
- 3. Physical destruction
 - a. Shredder
 - b. Drill
 - c. Electromagnetic
 - d. Degaussing tool

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2645	1	*	B	E	L

Goal. Secure a SOHO wireless network.

Requirement. Without the aid of reference, describe:

- 1. Change default user-names and passwords
- 2. Changing SSID
- 3. Setting encryption
- 4. Disabling SSID broadcast
- 5. Enable MAC filtering
- 6. Antenna and access point placement
- 7. Radio power levels
- 8. Assign static IP addresses

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2646	1	*	B	E	L

Goal. Secure a SOHO wired network.

Requirement. Without the aid of reference, describe:

1. Change default usernames and passwords
2. Enable MAC filtering
3. Assign static IP addresses
4. Disabling ports
5. Physical security

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2647	1	*	B	E	L

Goal. Explain the basic features of mobile operating systems.

Requirement. Without the aid of reference, describe:

1. Android vs. iOS
 - a. Open source vs. closed source/vendor specific
 - b. App source (app store and market)
 - c. Screen orientation (accelerometer/gyroscope)
 - d. Screen calibration
 - e. GPS and geotracking

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2648	1	*	B	E	L

Goal. Establish basic network connectivity and configure email.

Requirement. Without the aid of reference, describe:

1. Wireless / cellular data network (enable/disable)
2. Bluetooth
 - a. Enable Bluetooth
 - b. Enable pairing
 - c. Find device for pairing
 - d. Enter appropriate pin code
 - e. Test connectivity
3. Email configuration
 - a. Server address
4. POP3
5. IMAP
6. Port and SSL settings
 - a. Exchange
 - b. Gmail

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2649	1	*	B	E	L

Goal. Compare methods for securing mobile devices.

Requirement. Without the aid of reference, describe:

1. Passcode locks
2. Remote wipes
3. Locator applications
4. Remote backup applications
5. Failed login attempts restrictions
6. Antivirus
7. Patching/OS updates

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2650 1 * B E L

Goal. Compare hardware differences in regards to tablets and laptops.

Requirement. Without the aid of reference, describe:

1. No field serviceable parts
2. Typically not upgradeable
3. Touch interface
 - a. Touch flow
 - b. Multitouch
4. Solid state drives

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2651 1 * B E L

Goal. Execute and configure mobile device synchronization.

Requirement. Without the aid of reference, describe:

1. Types of data to synchronize
 - a. Contacts
 - b. Programs
 - c. Email
 - d. Pictures
 - e. Music
 - f. Videos
2. Software requirements to install the application on the PC
3. Connection types to enable synchronization

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2652	1	*	B	E	L

Goal. Explain the troubleshooting theory.

Requirement. Without the aid of reference, describe:

1. Identify the problem
 - a. Question the user and identify user changes to computer and perform backups before making changes
2. Establish a theory of probable cause (question the obvious)
3. Test the theory to determine cause
 - a. Once theory is confirmed determine next steps to resolve problem
 - b. If theory is not confirmed re-establish new theory or escalate
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 a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2653	1	*	B	E	L

Goal. Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. Unexpected shutdowns
 - b. System lockups
 - c. POST code beeps
 - d. Blank screen on bootup
 - e. BIOS time and settings resets

- f. Attempts to boot to incorrect device
 - g. Continuous reboots
 - h. No power
 - i. Overheating
 - j. Loud noise
 - k. Intermittent device failure
 - l. Fans spin - no power to other devices
 - m. Indicator lights
 - n. Smoke
 - o. Burning smell
 - p. BSOD
2. Tools
- a. Multimeter
 - b. Power supply tester
 - c. Loopback plugs
 - d. POST card

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2654	1	*	B	E	L

Goal. Troubleshoot hard drives and RAID arrays with appropriate tools.

Requirement. Without the aid of reference, describe:

- 1. Common symptoms
 - a. Read/write failure
 - b. Slow performance
 - c. Loud clicking noise
 - d. Failure to boot
 - e. Drive not recognized
 - f. OS not found
 - g. RAID not found
 - h. RAID stops working
 - i. BSOD
- 2. Tools
 - a. Screwdriver
 - b. External enclosures
 - c. CHKDSK
 - d. FORMAT
 - e. FDISK
 - f. File recovery software

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2655	1	*	B	E	L

Goal. Troubleshoot common video and display issues.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. VGA mode
 - b. No image on screen
 - c. Overheat shutdown
 - d. Dead pixels
 - e. Artifacts
 - f. Color patterns incorrect
 - g. Dim image
 - h. Flickering image
 - i. Distorted image
 - j. Discoloration (degaussing)
 - k. BSOD

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2656	1	*	B	E	L

Goal. Troubleshoot wired and wireless networks with appropriate tools.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. No connectivity
 - b. APIPA address
 - c. Limited connectivity
 - d. Local connectivity
 - e. Intermittent connectivity
 - f. IP conflict
 - g. Slow transfer speeds
 - h. Low RF signal
2. Tools
 - a. Cable tester
 - b. Loopback plug
 - c. Punch down tools
 - d. Toner probes
 - e. Wire strippers
 - f. Crimper
 - g. PING
 - h. IPCONFIG
 - i. TRACERT
 - j. NETSTAT
 - k. NBTSTAT
 - l. NET
 - m. Wireless locator

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2657	1	*	B	E	L

Goal. Troubleshoot operating system problems with appropriate tools.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. BSOD
 - b. Failure to boot
 - c. Improper shutdown
 - d. Spontaneous shutdown/restart
 - e. RAID not detected during installation
 - f. Device fails to start
 - g. Missing dll message

- h. Services fails to start
 - i. Compatibility error
 - j. Slow system performance
 - k. Boots to safe mode
 - l. File fails to open
 - m. Missing NTLDR
 - n. Missing Boot.ini
 - o. Missing operating system
 - p. Missing Graphical Interface
 - q. Graphical Interface fails to load
 - r. Invalid boot disk
2. Tools
- a. Fixboot
 - b. Recovery console
 - c. Fixmbr
 - d. Sfc
 - e. Repair disks
 - f. Pre-installation environments
 - g. MSCONFIG
 - h. DEFRAG
 - i. REGSRV32
 - j. REGEDIT
 - k. Event viewer
 - l. Safe mode
 - m. Command prompt
 - n. Emergency repair disk
 - o. Automated system recovery

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2658	1	*	B	E	L

Goal. Troubleshoot common security issues with appropriate tools and best practices.

Requirement. Without the aid of reference, describe:

- 1. Common symptoms
 - a. Pop-ups
 - b. Browser redirection
 - c. Security alerts
 - d. Slow performance
 - e. Internet connectivity issues

- f. PC locks up
- g. Windows updates failures
- h. Rogue antivirus
- i. Spam
- j. Renamed system files
- k. Files disappearing
- l. File permission changes
- m. Hijacked email
- n. Access denied
- 2. Tools
 - a. Anti-virus software
 - b. Anti-malware software
 - c. Anti-spyware software
 - d. Recovery console
 - e. System restore
 - f. Pre-installation environments
 - g. Event viewer
- 3. Best practices for malware removal
 - a. Identify malware symptoms
 - b. Quarantine infected system
 - c. Disable system restore
 - d. Remediate infected systems
- 4. Update anti-virus software
- 5. Scan and removal techniques (safe mode, pre-installation environment)
 - a. Schedule scans and updates
 - b. Enable system restore and create restore point
 - c. Educate end user

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2659	1	*	B	E	L

Goal. Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.

Requirement. Without the aid of reference, describe:

- 1. Common symptoms
 - a. No display
 - b. Dim display
 - c. Flickering display
 - d. Sticking keys

- e. Intermittent wireless
- f. Battery not charging
- g. Ghost cursor
- h. No power
- i. Num lock indicator lights
- j. No wireless connectivity
- k. No Bluetooth connectivity
- l. Cannot display to external monitor
- 2. Disassembling processes for proper re-assembly
 - a. Document and label cable and screw locations
 - b. Organize parts
 - c. Refer to manufacturer documentation
 - d. Use appropriate hand tools

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFA-2660	1	*	B	E	L

Goal. Troubleshoot printers with appropriate tools

Requirement. Without the aid of reference, describe:

- 1. Common symptoms
 - a. Streaks
 - b. Faded prints
 - c. Ghost images
 - d. Toner not fused to the paper
 - e. Creased paper
 - f. Paper not feeding
 - g. Paper jam
 - h. No connectivity
 - i. Garbled characters on paper
 - j. Vertical lines on page
 - k. Backed up print queue
 - l. Low memory errors
 - m. Access denied
 - n. Printer will not print
 - o. Color prints in wrong print color
 - p. Unable to install printer
 - q. Error codes
- 2. Tools
 - a. Maintenance kit
 - b. Toner vacuum

- c. Compressed air
- d. Printer spooler

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

3.10.13 INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE

3.10.13.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

3.10.13.2 General

3.10.13.2.1 Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objectives. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

3.10.13.2.2 Crew Requirements. None

IAWFN-2700	2	*	B	E	L

Goal. Compare the layers of the OSI and TCP/IP models.

Requirement. Without the aid of reference, compare:

1. OSI model:
 - a. Layer 1 - Physical
 - b. Layer 2 - Data link
 - c. Layer 3 - Network
 - d. Layer 4 - Transport
 - e. Layer 5 - Session
 - f. Layer 6 - Presentation
 - g. Layer 7 - Application
2. TCP/IP model:

- a. Network Interface Layer
 - b. Internet Layer
 - c. Transport Layer
 - d. Application Layer
- (Also described as: Link Layer, Internet Layer, Transport Layer, Application Layer)

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2701	2	*	B	E	L

Goal. Describe how applications, devices, and protocols relate to the OSI model layers.

Requirement. Without the aid of reference, describe:

1. MAC address
2. IP address
3. EUI-64
4. Frames
5. Packets
6. Switch
7. Router
8. Multilayer switch
9. Hub
10. Encryption devices
11. Cable
12. NIC
13. Bridge

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2702 2 * B E L

Goal. Explain the purpose and properties of IP addressing.

Requirement. Without the aid of reference, explain:

1. Classes of addresses
 - a. A, B, C and D
 - b. Public vs. Private
2. Classless (CIDR)
3. IPv4 vs. IPv6 (formatting)
4. MAC address format
5. Subnetting
6. Multicast vs. unicast vs. broadcast
7. APIPA

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2703 2 * B E L

Goal. Explain the purpose and properties of routing and switching.

Requirement. Without the aid of reference, explain:

1. EIGRP
2. OSPF
3. RIP
4. Link state vs. distance vector vs. hybrid
5. Static vs. dynamic
6. Routing metrics
 - a. Hop counts
 - b. MTU, bandwidth
 - c. Costs
 - d. Latency
7. Next hop
8. Spanning-Tree Protocol
9. VLAN (802.1q)
10. Port mirroring

11. Broadcast domain vs. collision domain
12. IGP vs. EGP
13. Routing tables
14. Convergence (steady state)

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2704	2	*	B	E	L

Goal. Identify common TCP and UDP default ports.

Requirement. Without the aid of reference, identify:

1. SMTP - 25
2. HTTP - 80
3. HTTPS - 443
4. FTP - 20, 21
5. TELNET - 23
6. IMAP - 143
7. RDP - 3389
8. SSH - 22
9. DNS - 53
10. DHCP - 67, 68

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2705	2	*	B	E	L

Goal. Explain the function of common networking protocols.

Requirement. Without the aid of reference, explain:

1. TCP
2. FTP
3. UDP
4. TCP/IP suite
5. DHCP
6. TFTP
7. DNS
8. HTTPS
9. HTTP
10. ARP
11. SIP (VoIP)
12. RTP (VoIP)
13. SSH
14. POP3
15. NTP
16. IMAP4
17. Telnet
18. SMTP
19. SNMP2/3
20. ICMP
21. IGMP
22. TLS

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2706	2	*	B	E	L

Goal. Summarize DNS concepts and its components.

Requirement. Without the aid of reference, summarize:

1. DNS servers
2. DNS records (A, MX, AAAA, CNAME, PTR)
3. Dynamic DNS

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2707	2	*	B	E	L

Goal. Implement network troubleshooting methodology.

Requirement. Without the aid of reference, complete the requirements:

1. Identify the problem:
 - a. Information gathering
 - b. Identify symptoms
 - c. Question users
 - d. Determine if anything has changed
2. Establish a theory of probable cause
 - a. Question the obvious
3. Test the theory to determine cause:
 - a. Once theory is confirmed determine next steps to resolve problem.
 - b. If theory is not confirmed, re-establish new theory or escalate.
4. Establish a plan of action to resolve the problem and identify potential effects
5. Implement the solution or escalate as necessary
6. Verify full system functionality and if applicable implement preventative measures
7. Document findings, actions and outcomes

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2710	2	*	B	E	L

Goal. Install and configure a wireless network.

Requirement. Without the aid of reference, describe:

1. WAP placement
2. Antenna types
3. Interference
4. Frequencies
5. Channels
6. Wireless standards
7. SSID (enable/disable)
8. Compatibility (802.11 a/b/g/n)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2711	2	*	B	E	L

Goal. Explain the purpose and properties of DHCP.

Requirement. Without the aid of reference, explain:

1. Static vs. dynamic IP addressing
2. Reservations
3. Scopes
4. Leases
5. Options (DNS servers, suffixes)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2712	2	*	B	E	L

Goal. Troubleshoot common wireless problems.

Requirement. Without the aid of reference, describe:

1. Interference
2. Signal strength
3. Configurations
4. Incompatibilities
5. Incorrect channel
6. Latency
7. Encryption type
8. Bounce
9. SSID mismatch
10. Incorrect switch placement

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2713	2	*	B	E	L

Goal. Troubleshoot common router and switch problems.

Requirement. Without the aid of reference, describe:

1. Switching loop
2. Bad cables/improper cable types
3. Port configuration

4. VLAN assignment
5. Mismatched MTU/MUT black hole
6. Power failure
7. Bad/missing routes
8. Bad modules (SFPs, GBICs)
9. Wrong subnet mask
10. Wrong gateway
11. Duplicate IP address
12. Wrong DNS

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2714	2	*	B	E	L

Goal. Implement a basic SOHO network.

Requirement. Without the aid of reference, describe:

1. List of requirements
2. Cable length
3. Device types/requirements
4. Environment limitations
5. Equipment limitations
6. Compatibility requirements

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2715	2	*	B	E	L

Goal. Categorize standard media types and associated properties.

Requirement. Without the aid of reference, describe:

1. Fiber:
 - a. Multimode
 - b. Singlemode
2. Copper:
 - a. UTP
 - b. STP
 - c. CAT3
 - d. CAT5
 - e. CAT5e
 - f. CAT6
 - g. CAT6a
 - h. Coaxial
 - i. Crossover
 - j. T1 Crossover
 - k. Straight-through
3. Plenum vs. non-plenum
4. Media converters:
 - a. Singlemode fiber to Ethernet
 - b. Multimode fiber to Ethernet
 - c. Fiber to Coaxial
 - d. Singlemode to multimode fiber
5. Distance limitations and speed limitations
6. Broadband over powerline

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2716	2	*	B	E	L

Goal. Categorize standard connector types based on network media.

Requirement. Without the aid of reference, describe:

1. Fiber:

- a. ST
- b. SC
- c. LC
- d. MTRJ
- 2. Copper:
 - a. RJ-45
 - b. RJ-11
 - c. BNC
 - d. F-connector
 - e. DB-9 (RS-232)
 - f. Patch panel
 - g. 110 block (T568A, T568B)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2717	2	*	B	E	L

Goal. Compare different wireless standards.

Requirement. Without the aid of reference, describe:

- 1. 802.11 a/b/g/n standards
 - a. Distance
 - b. Speed
 - c. Latency
 - d. Frequency
 - e. Channels
 - f. MIMO
 - g. Channel bonding

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2718 2 * B E L

Goal. Categorize WAN technology types and properties.

Requirement. Without the aid of reference, describe:

1. Types:
 - a. T1/E1
 - b. T3/E3
 - c. DS3
 - d. OCx
 - e. SONET
 - f. SDH
 - g. DWDM
 - h. Satellite
 - i. ISDN
 - j. Cable
 - k. DSL
 - l. Cellular
 - m. WiMAX
 - n. LTE
 - o. HSPA+
 - p. Fiber
 - q. Dialup
 - r. PON
 - s. Frame relay
 - t. ATMs
2. Properties:
 - a. Circuit switch
 - b. Packet switch
 - c. Speed
 - d. Transmission media
 - e. Distance

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2719 2 * B E L

Goal. Describe different network topologies.

Requirement. Without the aid of reference, describe:

1. MPLS
2. Point to point
3. Point to multipoint
4. Ring
5. Star
6. Mesh
7. Bus
8. Peer-to-peer
9. Client-server
10. Hybrid

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2720	2	*	B	E	L

Goal. Troubleshoot common physical connectivity problems.

Requirement. Without the aid of reference, describe:

1. Cable problems:
 - a. Bad connectors
 - b. Bad wiring
 - c. Open, short
 - d. Split cables
 - e. DB loss
 - f. TXRX reversed
 - g. Cable placement
 - h. EMI/Interference
 - i. Distance
 - j. Cross-talk

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2721	2	*	B	E	L

Goal. Compare different LAN technologies.

Requirement. Without the aid of reference, describe:

1. Types:
 - a. Ethernet
 - b. 10BaseT
 - c. 100BaseT
 - d. 1000BaseT
 - e. 100BaseTX
 - f. 100BaseFX
 - g. 1000BaseX
 - h. 10GBaseSR
 - i. 10GBaseLR
 - j. 10GBaseER
 - k. 10GBaseSW
 - l. 10GBaseLW
 - m. 10GBaseEW
 - n. 10GBaseT
2. Properties:
 - a. CSMA/CD
 - b. CSMA/CA
 - c. Broadcast
 - d. Collision
 - e. Bonding
 - f. Speed
 - g. Distance

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2722	2	*	B	E	L

Goal. Identify components of wiring distribution.

Requirement. Without the aid of reference, describe:

1. IDF

2. MDF
3. Demarc
4. Demarc extension
5. Smart jack
6. CSU/DSU

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2723	2	*	B	E	L

Goal. Explain the purpose and features of various network appliances.

Requirement. Without the aid of reference, describe:

1. Load balancer
2. Proxy server
3. Content filter
4. VPN concentrator

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2724	2	*	B	E	L

Goal. Use appropriate hardware tools to troubleshoot connectivity issues.

Requirement. Without the aid of reference, describe:

1. Cable tester
2. Cable certifier
3. Crimper
4. Butt set
5. Toner probe
6. Punch down tool
7. Protocol analyzer
8. Loop back plug
9. TDR
10. OTDR
11. Multimeter
12. Environmental monitor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2725	2	*	B	E	L

Goal. Use appropriate software tools to troubleshoot connectivity issues.

Requirement. Without the aid of reference, describe:

1. Protocol analyzer
2. Throughput testers
3. Connectivity software
4. Ping
5. Tracert/traceroute
6. Dig
7. Ipconfig/ifconfig
8. Nslookup
9. Arp
10. Nbtstat
11. Netstat
12. Route

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2726	2	*	B	E	L

Goal. Use the appropriate network monitoring resource to analyze traffic.

Requirement. Without the aid of reference, describe:

1. SNMP
2. SNMPv2
3. SNMPv3
4. Syslog
5. System logs
6. History logs
7. General logs
8. Traffic analysis
9. Network sniffer

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2727	2	*	B	E	L

Goal. Describe the purpose of configuration management documentation.

Requirement. Without the aid of reference, describe:

1. Wire schemes
2. Network maps
3. Documentation
4. Cable management
5. Asset management
6. Baselines
7. Change management

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2728	2	*	B	E	L

Goal. Explain different methods and rationales for network performance optimization.

Requirement. Without the aid of reference, describe:

1. Methods:

- a. QoS
- b. Traffic shaping
- c. Load balancing
- d. High availability
- e. Caching engines
- f. Fault tolerance
- g. CARP

2. Reasons:

- a. Latency sensitivity
- b. High bandwidth applications (VoIP, video applications, unified communications)
- c. Uptime

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2729	2	*	B	E	L

Goal. Implement appropriate wireless security measures.

Requirement. Without the aid of reference, describe:

1. Encryption protocols:
 - a. WEP
 - b. WPA
 - c. WPA2
 - d. WPA Enterprise
2. MAC address filtering
3. Device placement
4. Signal strength

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2730	2	*	B	E	L

Goal. Explain the methods of network access security.

Requirement. Without the aid of reference, describe:

1. ACL:
 - a. MAC filtering
 - b. IP filtering
 - c. Port filtering
2. Tunneling and encryption:
 - a. SSL VPN
 - b. VPN
 - c. L2TP
 - d. PPTP
 - e. IPSec
 - f. ISAKMP
 - g. TLS
 - h. TLS1.2
 - i. Site-to-site and client-to-site
3. Remote access:
 - a. RAS
 - b. RDP
 - c. PPPoE
 - d. PPP
 - e. ICA
 - f. SSH

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWF-2731	2	*	B	E	L

Goal. Explain methods of user authentication.

Requirement. Without the aid of reference, describe:

1. PKI
2. Kerberos
3. AAA (RADIUS, TACACS+)
4. Network access control (802.1x, posture assessment)
5. CHAP
6. MS-CHAP
7. EAP
8. Two-factor authentication
9. Multifactor authentication
10. Single sign-on

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2732	2	*	B	E	L

Goal. Explain common threats, vulnerabilities, and mitigation techniques.

Requirement. Without the aid of reference, describe:

1. Wireless:
 - a. War driving
 - b. War chalking
 - c. WEP cracking
 - d. WPA cracking

- e. Evil twin
- f. Rogue access point
- 2. Attacks:
 - a. DoS
 - b. DDoS
 - c. Man in the middle
 - d. Social engineering
 - e. Virus
 - f. Worms
 - g. Buffer overflow
 - h. Packet sniffing
 - i. FTP bounce
 - j. Smurf
- 3. Mitigation techniques:
 - a. Training and awareness
 - b. Patch management
 - c. Policies and procedures
 - d. Incident response

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2733	2	*	B	E	L

Goal. Install and configure a basic firewall.

Requirement. Without the aid of reference, describe:

- 1. Types:
 - a. Software and hardware firewalls
- 2. Port security
- 3. Stateful inspection vs. packet filtering
- 4. Firewall rules:
 - a. Block/allow
 - b. Implicit deny
 - c. ACL
- 5. NAT/PAT
- 6. DMZ

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFN-2734	2	*	B	E	L

Goal. Categorize different types of network security appliances and methods.

Requirement. Without the aid of reference, describe:

1. IDS and IPS:
 - a. Behavior based
 - b. Signature based
 - c. Network based
 - d. Host based
2. Vulnerability scanners:
 - a. NESSUS
 - b. NMAP
3. Methods:
 - a. Honeypots
 - b. Honeynets

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

3.10.14 INFORMATION ASSURANCE WORK FORCE A+ TEST(IAWFAT) STAGE

3.10.14.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

3.10.14.2 General

3.10.14.2.1 Admin Notes. Knowledge in Information Assurance is essential

to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objectives. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

3.10.14.2.2 Crew Requirements. None

IAWFAT-2800	1	1095	B	E	L

Goal. Describe PC hardware

Requirement. Without the aid of references:

1. Describe and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Describe the installation and configuration of expansion cards.
5. Describe 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. Describe the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2802	1	1095	B	E	L

Goal. Describe networking concepts

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2804	1	1095	B	E	L

Goal. Describe laptop features and characteristics

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2625, 2626, 2627

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2806	1	1095	B	E	L

Goal. Describe printer features and characteristics

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2628, 2629, 2630

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2808	1	1095	B	E	L

Goal. Describe operational procedures

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2631, 2632, 2633, 2634

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2810	1	1095	B	E	L

Goal. Describe operating systems

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2812	1	1095	B	E	L

Goal. Describe security

Requirement. Without the aid of references:

1. Apply and use common prevention methods.
2. Implement 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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2644, 2645, 2646, 2647, 2648, 2649

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2814	1	1095	B	E	L

Goal. Describe Mobile Devices

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2650, 2651, 2652, 2653, 2654

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFAT-2816	1	1095	B	E	L

Goal. Describe Troubleshooting

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2655, 2656, 2657, 2658, 2659, 2660

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

3.10.15 INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE

3.10.15.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

3.10.15.2 General

3.10.15.2.1 Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objective. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

If the trainee has taken a college class for Network+ and has received a letter grade of "B" or better, than all prerequisites for this stage are waived. The trainee must produce the transcripts and course syllabus to the WTI for verification that the training objectives have been met.

If the trainee has been previously certified in Network+ (regardless of the exam objectives) than all prerequisites are waived.

References for all events: Any CAQC program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

3.10.15.2.2 Crew Requirements. None

IAWFNT-2850	1	1095	B	E	L

Goal. Describe Networking Concepts

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFNT-2852	1	1095	B	E	L

Goal. Describe Network Installation and Configuration

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2710, 2711, 2712, 2713, 2714, 2715

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFNT-2854	1	1095	B	E	L

Goal. Describe Network Media and Topologies

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2716, 2717, 2718, 2719, 2720 2721, 2722, 2723

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFNT-2856	1	1095	B	E	L

Goal. Describe Network Management

Requirement. Without the aid of references:

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. Describe the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2724, 2725, 2726, 2727, 2728, 2729

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

IAWFNT-2858	1	1095	B	E	L

Goal. Describe Network Security

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2730, 2731, 2732, 2733, 2734

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

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	DEPLOYABLE (DEPL)
3.11.4	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
3.11.5	MAINTENANCE MANAGEMENT (MMGT)
3.11.6	OPERATIONS MANAGEMENT (OMGT)
3.11.7	INFORMATION ASSURANCE WORK FORCE A+(IAWFA)
3.11.8	INFORMATION ASSURANCE WORK FORCE A+(IAWFA)

3.11.3 DEPLOYABLE (DEPL) STAGE

3.11.3.1 Purpose. To teach the Marine to identify communication assets required to support the C2 mission and arrange for consumable supply support; and the characteristics of unit specific shelters, their emplacement and cabling.

3.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. CORE MINIMUM CREW

DEPL-3000 4.0 730 B,R,M 1 CAC2S, or 1-CS, CMMR Crew L

Goal. Set-up the communications system

Requirement. Given required communications system(s) and a core capable crew:

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. Perform system check.

Performance Standard. With the aid of reference, set up the system for operation and perform system check.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2015, 2100, 2105, 2110, 2115, 2120, 2135, 2140, 2145, 2150, 2155, 2200, 2290, 2365, 2370, 2518

Ordinance Requirement. None

Range/Target Requirement. 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

DEPL-3005 8.0 730 B,R,M CAC2S 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

Performance Standard. With the aid of reference, complete the requirement items

Instructor. SI, WTI

Prerequisite. 2250, 2340, 2350, 2518, 3000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 3120.6 (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual
3. TM 10842A-OI DASC, AN/UYQ-3B
4. Distributed Scalable Access Net (DSAN) Systems Manual Software Build 5.13

DEPL-3010 8.0 730 B,R,M L

Goal. Deploy a maintenance capability

Requirement. Given an operational requirement and commanders 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.
- Ensure maintenance crews are formed and prepared for deployment

Performance Standard. With the aid of reference, deploy a maintenance capability

Note: This event can be completed in garrison, however equipment must be physically moved for the Marine to be able to ensure the execution of the load plan.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3305, 3315, 3325, 2100, 6100

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. MHE, MT/UT, S4, Supply

Reference

1. MCO 3120.6, Standard Embarkation Management System
2. Applicable TMs/UMs

3.11.4 PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PM/CM) STAGE

3.11.4.1 Purpose. This stage is to validate the Marine's preventive and corrective maintenance technical abilities and knowledge of maintenance procedures.

3.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

PMCM-3100	1.0	365	B,R,M	CS	L

Goal. Identify and troubleshoot faulty system component in a CS.

Requirement. With the aid of references and a faulty CS:

- (1) Identify faulty component.
- (2) Open service request.
- (3) Receive and install component.
- (4) Perform communications check to verify systems return to operational status.

Performance Standards. With the aid of references, restore the CS to an operational state.

Instructor. SI, WTI

Prerequisites. 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2000, 2005, 2100, 2105, 2110, 2120, 2135, 2140, 2255, 2275, 2320, 2340, 2370, 2480, 3000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Second communication station

References.

1. MCO P4790.2C
2. TM-4700-15/1_
3. MCBUL 3000
4. Associated equipment TM

3.11.5 MAINTENANCE MANAGEMENT (MMGT) STAGE

3.11.5.1 Purpose. To ascertain individual ability to manage a maintenance shop section. To provide the requisite skills and working knowledge relating to maintenance management. This stage emphasizes the effective use of money and material as applied to the maintenance of equipment.

3.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3205	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.

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.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2468, 2474, 2476, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105

Ordinance Requirement. None

Range/Target Requirement. 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-3210 2.0 730 B,R,M L

Goal. Validate the float assets.

Requirement. With the aid of references and given a practical application scenario, applicable maintenance and supply history documents:

1. review the history documents and provide recommendations for organizational Critical Low Density Float assets and required on-hand quantities.
2. Verify a float re-computation.

Performance Standard. With the aid of references, provide the instructor with supporting documentation to validate assets in float. .

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115,

2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200,
2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265,
2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330,
2340, 2350, 2365, 2370, 2452, 2454, 2456, 2476, 2478, 2480, 2516,
2518, 2520, 2522, 2524, 3000, 3005, 3100, 3205, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Maintenance Management Officer (MMO)

Reference.

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

MMGT-3215 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.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3210

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Supply

Reference.

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

3.11.6 OPERATIONS MANAGEMENT (OMGT) STAGE

3.11.6.1 Purpose. To train and validate the individuals ability to deploy

maintenance section personnel and required equipment. To provide the requisite skills and working knowledge relating to deployment and employment of equipment. This stage emphasizes the effective use of logistics, manpower and equipment capabilities.

3.11.6.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements. NONE

OMGT-3300 1.0 * B S/L

Goal. Provide input to the maintenance portion of the operational plan.

Requirement. Given an simulation/operation and command guidance, provide communications input for the operation plan:

- (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 Standards. With the aid of references, perform the requirements.

Instructor. SI, WTI

Prerequisites. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Operations Order

OMGT-3305 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, establish crews to support mission requirements.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCWP 3-25.5

OMGT-3315 1.0 365 B,R,M CAC2S CMMR Crew L

Goal. Verify communications with external agencies.

Requirement. Given a system that has been setup and with the aid of references, verify communications with external agencies:

- (1) Analyze guard chart.
- (2) Confirm radio assignment based on NET priority.

Supervise radio checks are conducted IAW NET priority

Pass control of operational NETs to DASC Crew Chief.

Performance Standards. With the aid of references, perform the requirements.

Instructor. SI, WTI

Prerequisites. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC CC, external agencies with radio assets to participate in training

Reference.

1. MCWP 3-25.5
2. ACEOI

OMGT-3325 1.0 365 B,R,M DTD L

Goal. Verify COMSEC handling procedures.

Requirement. Given EKMS materials and references, verify proper COMSEC handling procedures:

- (1) Monitor safeguarding and handling of COMSEC materials.
- (2) Verify appropriate keying materials.
- (3) Supervise/conduct proper loading of keying materials.
- (4) Supervise/conduct proper destruction of keying materials:
 - (a) Destroy keying materials on time.
 - (b) Properly record destruction.

Performance Standards. With the aid of references, conduct the requirements listed

Instructor. SI, WTI

Prerequisites. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. EKMS Custodian

References.

1. MCO P5510.18_
2. EKMS-1
3. SECNAVINST 5510.36

3.11.7 INFORMATION ASSURANCE WORK FORCE A+(IAWFA)

3.11.7.1 Purpose. Verify that the trainee is proficient in the Information Assurance concepts to support the mission IAW the DODINST 8510.

3.11.7.2 General

Prerequisite. NONE

Admin Notes. Any MOS with a current COMPTIA A+ certification may

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor: SI, WTI with current A+ certification.

Prerequisite: 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2810, 2812, 2814, 2816

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

3.11.8 INFORMATION ASSURANCE WORK FORCE NETWORK+ (IAWFN)

3.11.8.1 Purpose. Verify that the trainee is proficient in the Information Assurance concepts to support the mission IAW the DODINST 8510.

3.11.8.2 General

Prerequisite. NONE

Admin Notes. Any MOS with a current COMPTIA A+ certification may serve as the instructor for these events.

If the trainee is currently certified in COMPTIA A+ (regardless of the exam objectives) than all prerequisites are waived.

Once the trainee completes the event in this they can be afforded the opportunity to take the respective industry certification exam.

References for all events: Any **CAQC program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org**

Crew Requirements. NONE

IAWFN-3450	2	1095	B	E	L

Goal. Identify and describe concepts included in Network+ exam N10-005

Requirement. Without the aid of references, identify and describe:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor: SI, WTI with current Network+ certification.

Prerequisite: 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

3.12 CORE PLUS TRAINING (4000)

3.12.1 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 DASC, ASLT, or ASE within a joint environment.

3.12.2 General.

3.12.2.1 Prerequisiste. Qual-6100

3.12.2.2 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) 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.

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

PAR NO.	STAGE NAME
3.12.3	SYSTEM OVERVIEW (SYSO)
3.12.4	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
3.12.5	OPERATIONS MANAGEMENT (OMGT)
3.12.6	FAMILIARIZATION (FAM)

3.12.3 SYSTEM OVERVIEW (SYSO) STAGE

3.12.3.1 Purpose. Provide an overview of the capabilities and limitations of unit communication systems.

3.12.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. 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(s) assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual's requirement to demonstrate the performance standard.

SYSO-4000 2.0 * B L

Goal. List the characteristics of unit specific communications systems.

Requirement. Given a list of communications systems identify the following characteristics for each:

1. TAOM
 - a. Radio assets
 - b. Mobility
 - c. Power requirements
 - d. Antenna pairing
2. ADCP
 - a. Radio assets
 - b. Mobility
 - c. Power requirements
 - d. Antenna pairing

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

Instructor. SI, WTI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Tactical Air Operations Module AN/TYQ-23(V)4 TM 10498B-OD/3
2. Air Defense Communications Platform (ADCP) AN/MSQ-124

3.12.4 PREVENTATIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE

3.12.4.1 Purpose. This stage is to validate the Marine's preventive and corrective maintenance technical abilities and knowledge of maintenance procedures with equipment that the Marine has a low occurrence of coming in contact with.

3.12.4.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements. NONE

PMCM-4100 2.0 * B L

Goal. Conduct preventive maintenance checks and services (PMCS) on AN/GRC 242.

Requirement. Given the AN/GRC 242, cleaning gear and PPE, conduct PMCS IAW TM.

Performance Standard. PMCS is conducted IAW the reference.

Instructor. SI, WTI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Receiver Radio R-2260/URC
2. TYQ-24(V) (AN/GRC-242) TM 08565A-12/31
3. Exciter Unit TYQ-23 (AN/GRC-242) TM 08565A-12/32V1
4. Amplifier TYQ-23(V) (AN/GRC-242) TM 08565A-12/33
5. Power Supply TYQ-23(V) (AN/GRC-242) TM 08565A-12/34

PMCM-4105 2.0 * B L

Goal. Conduct preventive maintenance checks and services (PMCS) on AN/GRC 256.

Requirement. Given the AN/GRC 256, cleaning gear and PPE, conduct PMCS IAW TM.

Performance Standard. PMCS is conducted IAW the reference.

Instructor. SI, WTI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Digital HF/SSB Transceiver model RT-9000 (AN/GRC-256) TM 11228A-OI/1

3.12.5 OPERATIONS MANAGEMENT (OMGT) STAGE

3.12.5.1 Purpose. To train and validate the individuals ability to deploy maintenance section personnel and required equipment in environments that the Marine and unit may not normally find themselves. To provide the requisite skills and working knowledge relating to deployment and employment of equipment. This stage emphasizes the effective use of logistics, manpower and equipment capabilities.

3.12.5.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements. NONE

OMGT-4200 70.0 * B L

Goal. Configure a Tactical Data Link in Aviation Command and Control Systems.

Requirements.

1. Identify the characteristics of TADIL-B.
2. Identify the characteristics of TADIL-A.
3. Identify the characteristics of TADIL-J.
4. Make the appropriate connections and settings to establish a TADIL-B link.

5. Encrypt a TADIL-B circuit.
6. Make the necessary data base entries to establish a TADIL-B link.
7. Utilize corrective maintenance to repair the circuit TADIL-B.
8. Make the appropriate connections and settings to establish a TADIL-A link.
9. Encrypt a TADIL-A circuit.
10. Make the necessary data base entries to establish a TADIL-A link.
11. Utilize corrective maintenance to repair the circuit TADIL-A.
12. Make the appropriate connections and settings to establish a TADIL-J link.
13. Encrypt a TADIL-J circuit.
14. Make the necessary data base entries to establish a TADIL-J link.
15. Utilize corrective maintenance to repair the circuit TADIL-J.

Performance Standard. With the aid of reference, complete the requirement items. Instructor will verify the network is configured properly and operational. Completion of the MACCS Maintenance Managers Course satisfies this requirement.

Instructor. SI, WTI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. Understanding Link-16 NG 135-02-002,
2. ADCP ECP #1 TM 10200A-14&P
3. ADCP Software User's Manual TSB-ADCP-SUM
4. Understanding TADIL: Planning and Operations LGN 135-02-003
5. Operations Manual TM 08565B 10/1
6. Digital Communication Equipment TM 08565B 24/3
7. Understanding Link-11 LGN 08-0117

OMGT-4205 37.0 * B L

Goal. Configure the Aviation Command and Control Systems data communications network equipment.

Requirement.

1. Select the statement that describes the Transmission Control Protocol / Internet Protocol (TCP/IP).
2. Select the statement that describes a function of a TCP/IP layer.
3. Select the statement that describes a network device.
4. Select the statement that describes a protocol.
5. Select the statement that defines a port.
6. Select the statement that defines a socket.
7. Select the statement that describes a function of a

protocol.

8. Select the statement that describes a site diagram.
9. Select the statement that describes the client/server network architecture.
10. Select the statement that describes a function of a type of server.
11. Select the statement that defines a Local Area Network (LAN).
12. Select the statement that describes a network topology.
13. Select the statement that defines a Wide Area Network (WAN).
14. Select the statement that describes the purpose of a console cable.
15. Select the statement that describes a functional description of a network cable.
16. Given references, tools and cable, create a straight-through category 5e (CAT-5e) cable.
17. Given references, tools and cable, create a crossover CAT-5e cable.
18. Select the statement that describes a function of a Network Interface Card (NIC).
19. Select the statement that describes a function of a switch.
20. Select the statement that describes the purpose of a MAC address.
21. Select the statement that describes a function of switched Ethernet.
22. Select the statement that describes an Internet Protocol Version 4 (IPV4) address.
23. Select the statement that describes an IPV4 address class.
24. Select the statement that describes an IPV4 private network.
25. Select the statement that describes an IPV4 loopback address.
26. Select the statement that describes an IPV4 network address.
27. Select the statement that describes an IPV4 broadcast address.
28. Select the statement that describes the purpose of routing.
29. Select the statement that describes a function of a router.
30. Select the statement that describes a function of a static route.
31. Select the statement that describes a function of a dynamic route.
32. Select the statement that describes a function of Enhanced Interior Gateway Routing Protocol (EIGRP).
33. Select the statement that describes a function of Virtual Local Area Network (VLAN) routing.
34. Select the statement that identifies the purpose of subnetting.
35. Select the statement that identifies the purpose of a subnet mask.
36. Select the statement that describes a subnet work address.
37. Given a subnet mask, select the number of available networks.
38. Given a subnet mask, select the number of hosts on the subnet.
39. Select the statement that describes the purpose of Classless Inter-Domain Routing (CIDR).
40. Given a subnet mask, select the corresponding CIDR notation.
41. Select the statement that describes the purpose of Variable

Length Subnet Masking (VLSM).

42. Select the statement that identifies a VLSM rule.
43. Given references and a network diagram, identify specified network information.
44. Select the statement that describes the Read Only Memory (ROM) monitor mode.
45. Select the statement that describes the CISCO Internetwork Operating System (IOS).
46. Select the statement that describes the function of a configuration file.
47. Select the statement that describes the purpose of an interface.
48. Select the statement that describes the local method to configure a router.
49. Select the statement that describes a functional description of a router mode.
50. Select the statement that describes CISCO IOS command syntax.
51. Select the statement that describes a function of a user exec mode command.
52. Select the statement that describes a function of a privileged exec mode command.
53. Select the statement that describes a function of a global configuration mode command.
54. Select the statement that describes a function of an interface configuration mode command.
55. Select the statement that describes a function of a line configuration mode command.
56. Select the statement that describes a function of a router configuration mode command.
57. Select the statement that describes a remote method to configure a router.
58. Given references and a router, configure the router for operation.
59. Select the statement that describes the function of Windows Network properties snap-in.
60. Select the statement that describes a step to edit Windows system identification.
61. Select the statement that describes the function of Dynamic Host Configuration Protocol (DHCP).
62. Select the statement that describes a step to configure DHCP.
63. Select the statement that describes the function of a Windows networking command.
64. Given references and a Windows system, change the system identification.
65. Given references and a Windows system, configure the system for DHCP operation.

Performance Standard. With the aid of reference, complete the requirement items. Instructor will verify the network is configured properly and operational. Completion of the Aviation Communication System Managers Course at MCCES satisfies this requirement.

Instructor. SI, WTI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. Computer Networks and Internets, Douglas E. Comer
2. Data Communications Network Devices; John Wiley & Sons
3. Essential System Administration; O'Reilly & Associates, Inc
4. TCP/IP Network Administration; O'Reilly & Associates, Inc.
5. Networking for Dummies
6. Windows 2000 Administration in a Nutshell

3.12.6 FAMILIARIZATION (FAM) STAGE

3.12.6.1 Purpose. To build the Marine's awareness in the fundamentals of MACCS maintenance communication system, tactical data links, system administration, and system networks to include radar and tactical data systems.

3.12.6.2 General

Prerequisite. NONE.

Admin Notes. The performance standard for all events in this stage will be conducted in a question and answer verbal format and with the aid of reference.

Crew Requirements. NONE.

FAM-4402	2.0	*	B	L

Goal. Identify the TBMCS

Requirement. Given the references conduct the following:

1. Identify the purpose of TBMCS.
2. Identify the function of TBMCS.
3. Identify software.
4. Identify hardware components.

Performance Standard. With the aid of reference, identify the items without error. .

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

FAM-4404 2.0 * B (1) IOW L

Goal. Identify the Intelligence Operations Workstation (IOW).

Requirement. Given the references and an IOW:

1. Identify the purpose of the IOW.
2. Identify the function of the IOW.
3. Identify software on the IOW.
4. Identify hardware components.

Performance Standard. With the aid of reference, identify the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. IOS/IOW User's Manual
2. SL-3-10848D
3. MarineNet - C2PC Course Code C2P001

FAM-4412 2.0 * B (1) COC L

Goal. Identify the Combat Operation Center (COC).

Requirement. Given a COC and COC IETM, conduct a tour of the COC and complete the following:

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

Performance Standard. With the aid of reference, complete the requirements.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. COC IETM

FAM-4414 2.0 * B (1) LMS-MT L

Goal. Identify the Link Management System - Multi Tactical Data Link (LMS-MT).

Requirement. Given an LMS-MT and references, complete the following:

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

Performance Standard. With the aid of reference, identify all the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. LMS User's Manual

FAM-4416 3.0 * B L

Goal. Describe Automated Data Processing Equipment (ADPE) equipment.

Requirement. Given the references:

1. Define Transfer Control Protocol/Internet Protocol (TCP/IP).
2. Identify types of network cables and their purpose.
3. Identify types of switches and their purpose.
4. Define Ethernet communication.
5. Identify types of routers and their purpose.
6. Identify the different types of networks and their purpose.

Performance Standard. With the aid of reference, pass a written examination with 80% accuracy.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCWP 3-25.3
2. MCWP 3-25.4
3. TCP/IP Network Administration ISBN #1-56592-322-7
4. Computer Network and Internets ISBN #0-13-606127-3
5. Data Communication Network Devices ISBN #0-471-97515-x
6. Essential System Administration ISBN #0-596-00343-9
7. Cisco Router 24 Seven Sybex manual

FAM-4418 1.0 * B L

Goal. Describe TAOM equipment.

Requirement. Given the reference:

1. Describe the purpose of the Operator Interface Equipment.
2. Describe the purpose of the Data Processing Equipment.
3. Describe the purpose of the Voice Communications Equipment.
4. Describe the purpose of the Digital Communications Equipment.
5. Describe the purpose of the Radar Interface Equipment.

Performance Standard. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 10498B-OD TAOM Operations Maintenance Manual

FAM-4422 1.0 * B L

Goal. Describe Sector Anti-Air Warfare Facility (SAAWF).

Requirement. Given the reference, describe the purpose of the SAAWF.

Performance Standard. With the aid of reference, describe the purpose of SAAWF IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. MCWP 3-25.6, Sector Anti-Air Warfare Coordinator Handbook

FAM-4424 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. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. 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-4426 1.0 * B L

Goal. Familiarization with AN/TPS-59 Radar equipment.

Requirement. Given the reference:

1. Describe the purpose of the AN/TPS-59 Radar System.
2. Describe the major components of the AN/TPS-59 Radar System.
3. Describe the characteristics of the AN/TPS-59 Radar System.

Performance Standard. With the aid of reference, describe each requirement item IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 07751B

FAM-4428 1.0 * B L

Goal. Familiarization with AN/TPS-63 Radar equipment.

Requirement. Given the reference:

1. Describe the purpose of the AN/TPS-63 Radar system.
2. Describe the major components of the AN/TPS-63 Radar system.
3. Describe the characteristics of the AN/TPS-63 Radar System.

Performance Standard. With the aid of reference, describe each requirement item.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 07736C

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 Prerequisiste. 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) 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.

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 Communication System Technicians 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 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.

3.14.2 General.

3.14.2.1 Prerequisiste. 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.

(3) 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.

3.14.3 QUALIFICATIONS (QUAL) STAGE

3.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

3.14.3.2 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	8.0	1095	B,R,M	E	L

Goal. Qualification as an Aviation Communications Systems Basic Technician (ACSBT).

Requirement. Complete required Basic Technician training POI.
Be recommended for qualification by a WTI and approved in writing
by the commanding officer.

<u>Prerequisite.</u>	2000,	2005,	2010,	2015,	2100,	2105,	2110,	2115,
2120, 2125,	2130,	2135,	2140,	2145,	2150,	2155,	2165,	2170, 2175,
2200, 2205,	2210,	2215,	2220,	2225,	2230,	2235,	2250,	2255, 2260,
2265, 2270,	2275,	2280,	2285,	2290,	2295,	2300,	2310,	2315, 2320,
2325, 2330,	2340,	2350,	2365,	2370,	2406,	2408,	2452,	2454, 2480,
2516, 2518,	2520,	2522,	2524,	3000,	3005,	3100		

QUAL-6105 8.0 1095 B,R,M E L

Goal. Qualification as an Aviation Communications Systems
Advanced Technician (ACSAT).

Requirement. Complete required Advanced Technician training POI.
Be recommended for qualification by a WTI and approved in writing
by the commanding officer.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115,
2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170,
2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255,
2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310,
2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2360, 2365, 2370,
2406, 2408, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2724,
2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506,
2508, 2510, 2512, 2514, 2900, 2905, 2910, 2915, 2920, 2925, 2940,
2516, 2518, 2520, 2522, 2524, 3000, 3005, 3010, 3100, 3205, 3210,
3215, 3300, 3305, 3315, 3325, 6100

3.14.4 CERTIFICATIONS (CERT) STAGE

3.14.4.1 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.

3.14.4.2 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 1095 B,R,M E 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
qualification by a WTI and approved in writing by the commanding
officer.

Note: Requalification date shall be entered as the expiration
date of the COMPTIA A+ industry standard certification. Trainees
should be required to complete prerequisite events prior to
attempting the Continuing Education (CE) exam to renew the
COMPTIA certification.

Prerequisite. 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405

CERT-6205 8.0 1095 B,R,M E L

Goal. Certification as a COMPTIA Network+ Technician.

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

Note: Requalification date shall be entered as the expiration date of the COMPTIA Network+ industry standard certification. Trainees should be required to complete prerequisite events prior to attempting the Continuing Education (CE) exam to renew the COMPTIA certification.

Prerequisite. 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450

3.14.5 DESIGNATIONS (DESG) STAGE

3.14.5.1 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.

3.14.5.2 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-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.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 5000, 5010, 5020, 6100

DESG-6321 1.0 * B L

Goal. Designation as Senior Instructor (SI).

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

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2265, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2650, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2480, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6100, 6105, 6320

DESG-6500 2.0 * B L

Goal. Designation as 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2__

DESG-6505 2.0 * 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6510 2.0 * B 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI.

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6515 2.0 * 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6520 2.0 * B 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6525	2.0	*	B	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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6530	2.0	*	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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6535 2.0 * 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6540 2.0 * B L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (GCSS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (GCSS) 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100

Reference. MCO P4790.2_

DESG-6545 2.0 * 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 maintenance officer.

Performance Standard. None

Instructor. SI or WTI

Prerequisite. 2000, 2005, 2100, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2360, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 6100, 6105

Reference. MCO P4790.2_

DESG-6550	1.0	*	B	L

Goal. Designation as an Aviation Communications Systems Crew Chief (ACSCC).

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

Prerequisite. 2000, 2005, 2100, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2355, 2360, 2406, 2408, 2450, 2452, 2456, 2458, 2460, 2462, 2474, 2476, 2478, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3010, 3100, 3205, 3210, 3300, 3305, 3315, 3325, 3400, 3405, 6100, 6105, 8020

DESG-6555	1.0	*	B	L

Goal. Designation as Aviation Communications Systems Maintenance Chief (ACSMC).

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

Prerequisite. 2000, 2005, 2100, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2400, 2406, 2408, 2410, 2420, 2430, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518,

2520, 2522, 2524, 2650, 2660, 2724, 2900, 2905, 2910, 2915, 2920,
2925, 2940, 3000, 3005, 3010, 3100, 3205, 3210, 3215, 3300, 3305,
3315, 3325, 3400, 3405, 6100, 6105, 8020, 8060, 8080

DESG-6560 1.0 * B L

Goal. Designation as an IAWF A+ technician.

Requirement. Complete the COMPTIA A+ industry standard certification (both 220-801 and 220-802 exams). Be recommended for designation by a WTI and designated in writing by the commanding officer.

Note: Designation shall expire on the expiration date of the COMPTIA A+ industry standard certification. The designation expiration date can be updated as the trainee completes Continuing Education (CE) credits and/or exam to reflect the most current expiration date without redesignation by the commanding officer.

Prerequisite. 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405, 6200

DESG-6565 1.0 * B L

Goal. Designation as an IAWF Network+ technician.

Requirement. Complete the COMPTIA Network+ industry standard certification (N10-005 exam). Be recommended for designation by a WTI and designated in writing by the commanding officer.

Note: Designation shall expire on the expiration date of the COMPTIA Network+ industry standard certification. The designation expiration date can be updated as the trainee completes Continuing Education (CE) credits and/or exam to reflect the most current expiration date without redesignation by the commanding officer.

Prerequisite. 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450, 6205

3.14.6 SCHOOL CODES (SCHL) STAGE

3.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5939 in the skill progression of the Marine.

3.14.6.2 General

Prerequisite. NONE.

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

Crew Requirements. NONE.

COURSE NAME	LOCATION	CID/CIN	T&R CODE
System Administrator	Hurlburt Field, FL	F19L2U2	SCHL-6013
Network Administrator	Hurlburt Field, FL	F19L9W2	SCHL-6014
Link 16 Interoperability Course (JT-101)	CBT	N/A	SCHL-6020
Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Ft McPherson, GA	A36L6Z1	SCHL-6021
United States Message Text Formatting (USMTF) Course (JT-105)	Ft McPherson, GA	N/A	SCHL-6022
Link 16 Planner Course (JT-201)	Ft McPherson, GA	N/A	SCHL-6023
USMTF Manager Course (JT-205)	Ft McPherson, GA	N/A	SCHL-6024
Link 16 Unit Manager (LUM) Course (JT-220)	Ft McPherson, GA	N/A	SCHL-6025
Joint Interface Control Officer (JICO) (JT-301)	Ft McPherson, GA	N/A	SCHL-6026
MATC Work Center Supervisors Course	NATTC, FL	N23KCM2	SCHL-6030
MATC Maintenance Managers Course	NATTC, FL	N23KCN2	SCHL-6031
Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351	SCHL-6073
JRE-GW Operators' Course	Titan L3	N/A	SCHL 6079

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-7400 3.0 365 B,R,M ASLT/DASC E L/S

Goal. Employ an ASLT.

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 an ASLT to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASLT personnel
10. Conduct ASLT operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASLT operations supporting the DASC during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASLT Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. FSCC, air and fire support missions as defined by operational tempo level three, a DASC, S-1, S-2, S-3, S-4, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7405	3.0	365	B,R,M	ASE	E	L/S

Goal. Employ an ASE.

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 an ASE to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASE personnel
10. Conduct ASE operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASE operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASE Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions as defined by operational tempo three, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7410	3.0	365	B,R,M		E	L/S

Goal. Employ a DASC.

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 DASC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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. Emplace a DASC
11. Conduct DASC operations
12. Conduct crew evaluations
13. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct DASC operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Minimum of two CMMR DASC Crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7415	3.0	365	B,R,M	E	L/S

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

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 DASC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites

2. Identify environmental concerns that may affect DASC communication
3. Coordinate with the FSCC to provide DASC 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 DASC

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

Prerequisite.

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. MASS Detachment Commander, DASC Chief, security team, Representatives from the following sections: S-4, S-2, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-16.3, TTP for the Field Artillery Cannon Battery
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7420	3.0	365	B,R,M	DASC	E	L/S

Goal. Conduct Echelon Operations.

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, conduct echelon operations to include the following:

1. Continue DASC operations without pause or loss of situational awareness
2. Checklists for the transfer of control are on hand and are utilized
3. Deploy the echelon element to the new position
4. Brief the operational crew concerning their duties for passage of control
5. Establish and maintain DASC communications requirement
6. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted

7. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
8. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft is verified
9. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft is verified
10. Review status of all Tactical Air and Assault Support equests and ensure they are plotted and on hand
12. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
13. Maintain continuous coordination with adjacent and higher agencies during preparation for and transfer of OAS/AS control, if required
14. Pass control of DASC functions to the echelon element
15. Notify the TACC, FSCC, and other agencies, as necessary, control has been passed
16. Recover the rear element into the DASC when echelon operations have concluded
17. Debrief with the DASC OIC and DASC Chief

Performance Standard. Perform the requirement items listed to conduct echelon operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Two CMMR DASC crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7425	3.0	365	B,R,M	DASC	E	S/L

Goal. Conduct Phasing of Control Ashore.

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, conduct phasing of control ashore to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Checklists for the transfer of control ashore are on hand and utilized
3. Review the procedures delineated in the operation plan/other directives for the phasing of control ashore and keeps the Naval Tactical Air Control Center informed of current status
5. Deploy ashore
6. Brief the operational crew concerning their duties for the passage of control
7. Establish and maintain DASC specific communication requirements
8. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
9. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
10. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft
11. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft
12. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
13. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
14. Ensure all requirements have been met and then advise the TACC (afloat) and FSCC that the DASC is prepared for the phasing of control of OAS/AS ashore
15. Ensure the preplanned sequence of phasing control of OAS/AS ashore is completed and the SAD acknowledges/produces any reports required
16. Advise CLF when ready to assume control of all or a portion of direct air support ashore (specify OAS, Assault Support, Air Recce, EW) at a specified date and time
17. Advise CLF that control has been transferred and the date/time group that transfer was accomplished
18. Advise the TACC (afloat)/TADC (ashore) and FSCC that the DASC now has control referencing date and time (local)
19. Maintain continuous coordination with adjacent and higher agencies
20. Notify all adjacent agencies when transfer of control is completed
21. As necessary, DASC/SACC liaison team provides further updates of information upon arrival at DASC site

Performance Standard. Perform the requirement items listed to conduct phasing control ashore during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. ASE, DASC

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, Navy TACC, FSCC, Marine TACC, LFOC, SACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP
4. MCWP 3-16.3, Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery, Chapter 2, Reconnaissance, Selection, and Occupation of a Position
5. JP 3-02.1 Joint Doctrine for Landing Forces Operations
6. MCWP 3-40.3 MAGTF Communications System

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	MACCS		1	3000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	3000 PHASE

ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	3000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	3000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	3000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	3000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	3000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	3000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	3000 PHASE
ACPM	8020	ACE		1	3000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	3000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	3000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	3000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	3000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	3000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	3000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	3000 PHASE
ACPM	8040	THREAT		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	MAGTF		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	3001 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	3002 PHASE
ACPM	8080	JOINT AIR OPERATIONS		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	

3.17 T&R ATTAIN AND MAINTAIN TABLES

DASC 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		
State HF, VHF and UHF frequency spectrums	SYSO	2000	*	SYSO	2000					-	-
Describe HF, VHF, UHF, SATCOM radio characteristics	SYSO	2005R	180	SYSO	2005R	SYSO	2005R	SYSO	2005R	2000	-
Identify the characteristics of unit specific communications systems	SYSO	2010	*	SYSO	2010					2000, 2005	-
Describe the characteristics of unit specific generators and the systems they power	SYSO	2015R	365	SYSO	2015R	SYSO	2015R	SYSO	2015R	-	-
Demonstrate an earth ground installation	SETUP	2100	*	SETUP	2100					2220	-
Erect all ground based and vehicle mounted antennas	SETUP	2105	*	SETUP	2105					2220	-
Install unit specific HF, VHF/UHF/SATCOM radios in the CS	SETUP	2110	*	SETUP	2110					-	-
Interface an external radio into the CS	SETUP	2115R	730	SETUP	2115R	SETUP	2115R	SETUP	2115R	2220	-
Interconnect the Processing Display System (PDS) to the Communication System (CS)	SETUP	2120	*	SETUP	2120					2115, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2220, 2370	-
Configure AN/VRC-103 for plain text (PT) operations	SETUP	2125R	1460	SETUP	2125R	SETUP	2125R	SETUP	2125R	-	-
Configure AN/VRC-104 for plain text (PT) operations	SETUP	2130R	1460	SETUP	2130R	SETUP	2130R	SETUP	2130R	2220	-

Configure the AN/VRC-103 and the AN/VRC-104 for single channel operations, Cipher Text (CT)	SETUP	2135R	180	SETUP	2135R	SETUP	2135R	SETUP	2135R	2125, 2130, 2220, 2370	-
Configure the AN/VRC-103 for SATCOM operation	SETUP	2140R	180	SETUP	2140R	SETUP	2140R	SETUP	2140R	2115, 2135, 2145, 2370	-
Setup satellite antenna	SETUP	2145R	180	SETUP	2145R	SETUP	2145R	SETUP	2145R	2115, 2125	-
Configure the AN/VRC-103 radio for enhanced operation	SETUP	2150R	180	SETUP	2150R	SETUP	2150R	SETUP	2150R	2115, 2125, 2135, 2370	-
Configure AN/VRC-104 radio for enhanced operation	SETUP	2155R	180	SETUP	2155R	SETUP	2155R	SETUP	2155R	2135, 2370	-
Demonstrate field expedient antenna techniques.	SETUP	2160R	365	SETUP	2160R	SETUP	2160R	SETUP	2160R	2000, 2005, 2010, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145	-
Describe unit specific shelters	SETUP	2165	*	SETUP	2165					-	-
Emplace shelter	SETUP	2170	*	SETUP	2170					2165	-
Cable shelter for power	SETUP	2175	*	SETUP	2175					2170	-
Utilize a multimeter	TMDE	2200	*	TMDE	2200					-	-
Utilize a watt meter	TMDE	2205	*	TMDE	2205					-	-
Utilize an oscilloscope	TMDE	2210	*	TMDE	2210					2235	-
Utilize an Optical Time Domain Reflectometer (OTDR).	TMDE	2215	*	TMDE	2215					-	-
Utilize a Ground Tester	TMDE	2220	*	TMDE	2220					-	-
Utilize a frequency counter	TMDE	2225	*	TMDE	2225					-	-
Utilize a TS-4317 (Communication Test Set)	TMDE	2230	*	TMDE	2230					-	-
Demonstrate the proper use of a signal generator	TMDE	2235	*	TMDE	2235					-	-
SL-3 Inventory	PMCM	2250	*	PMCM	2250					2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2340	-

PM Program	PMCM	2255	*	PMCM	2255					2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/VRC-104 PMCS	PMCM	2260R	1460	PMCM	2260R	PMCM	2260R	PMCM	2260R	2130, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-
AN/VRC-103 PMCS	PMCM	2265R	1460	PMCM	2265R	PMCM	2265R	PMCM	2265R	2125, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-
AN/VRC-110 PMCS	PMCM	2270R	1460	PMCM	2270R	PMCM	2270R	PMCM	2270R	2005, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-
AN/VRC-104 CM	PMCM	2275R	1460	PMCM	2275R	PMCM	2275R	PMCM	2275R	2000, 2005, 2105, 2130, 2135, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/VRC-103 CM	PMCM	2280R	1460	PMCM	2280R	PMCM	2280R	PMCM	2280R	2000, 2005, 2105, 2125, 2135, 2145, 2150, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/VRC-110 CM	PMCM	2285R	1460	PMCM	2285R	PMCM	2285R	PMCM	2285R	2000, 2005, 2105, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
CM ON CS SYSTEM	PMCM	2290R	1460	PMCM	2290R	PMCM	2290R	PMCM	2290R	2000, 2005, 2100, 2105, 2110, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2275, 2280, 2370, 2518, 3000	-
Initiate a Service Request	PMCM	2295R	365	PMCM	2295R	PMCM	2295R	PMCM	2295R	-	-
Maintenance Collateral Duties	CD	2300	*	CD	2300					-	-
Identify Calibration Program	CD	2305R	730	CD	2305R	CD	2305R	CD	2305R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Maintenance Mod Program	CD	2310R	730	CD	2310R	CD	2310R	CD	2310R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Maintenance Tool Control Program	CD	2315R	730	CD	2315R	CD	2315R	CD	2315R	2300	-
Maintenance Pub Library Program	CD	2320R	730	CD	2320R	CD	2320R	CD	2320R	2300	-
Maintenance Safety Prog	CD	2325R	730	CD	2325R	CD	2325R	CD	2325R	2300	-
MSDS	CD	2330R	365	CD	2330R	CD	2330R	CD	2330R	2300	-

Embarkation Elements	CD	2335R	730	CD	2335R	CD	2335R	CD	2335R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Equipment Record Jacket	CD	2340	*	CD	2340					2300	-
Describe handling and storage of classified materials.	COMSEC	2350R	365	COMSEC	2350R	COMSEC	2350R	COMSEC	2350R	-	-
Familiar with physical security requirements	COMSEC	2355R	365	COMSEC	2355R	COMSEC	2355R	COMSEC	2355R	2350	-
Conduct crew change over security procedures.	COMSEC	2360R	365	COMSEC	2360R	COMSEC	2360R	COMSEC	2360R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2365R	365	COMSEC	2365R	COMSEC	2365R	COMSEC	2365R	2350	-
Utilize Simple Key Loader (SKL)	COMSEC	2370R	365	COMSEC	2370R	COMSEC	2370R	COMSEC	2370R	2350, 2365	-
TACTICAL DATA LINKS	FAM	2400	*	FAM	2400					-	-
AFATDS	FAM	2406	*	FAM	2406					-	-
IOS	FAM	2408	*	FAM	2408					-	-
CDLS	FAM	2410	*	FAM	2410					-	-
ADCP	FAM	2420	*	FAM	2420					-	-
IFF MK VII SYSTEM	FAM	2430	*	FAM	2430					-	-
Equipment Disposition	MMGT	2450	*	MMGT	2450					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

PMCS Schedule	MMGT	2452	*	MMGT	2452					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Reconcile Global Combat Supply System (GCSS)reports	MMGT	2454R	365	MMGT	2454R	MMGT	2454R	MMGT	2454R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Identify Float Process	MMGT	2456R	1460	MMGT	2456R	MMGT	2456R	MMGT	2456R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Define Major funding lines	MMGT	2458R	1460	MMGT	2458R	MMGT	2458R	MMGT	2458R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
New equipment inducting process	MMGT	2460	*	MMGT	2460					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

Phase out equipment process	MMGT	2462	*	MMGT	2462					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Ensure Quality Control (QC) procedures are being performed	MMGT	2464R	1460	MMGT	2464R	MMGT	2464R	MMGT	2464R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Inspect Maint Functional Areas	MMGT	2466R	1460	MMGT	2466R	MMGT	2466R	MMGT	2466R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Submit TOECR	MMGT	2468	*	MMGT	2468					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
UNS Process	MMGT	2470	*	MMGT	2470					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

CMR Review	MMGT	2472R	1460	MMGT	2472R	MMGT	2472R	MMGT	2472R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Inventory Control Procedures	MMGT	2474R	1460	MMGT	2474R	MMGT	2474R	MMGT	2474R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Identify the functions of maintenance management	MMGT	2476	*	MMGT	2476					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2456, 2460, 2462, 2464, 2724, 2468, 2470, 2472, 2474, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Evaluate maintenance management reports	MMGT	2478	*	MMGT	2478					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
INDUCT EQUIPMENT IN TO MAINTENANCE CYCLE	MMGT	2480	*	MMGT	2480					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

Understand Doctrinal Nets	OMGT	2500R	365	OMGT	2500R	OMGT	2500R	OMGT	2500R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Key Planning Documents	OMGT	2502	*	OMGT	2502					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Elements of an Op Order	OMGT	2504	*	OMGT	2504					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2502, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Mission Equipment Requirements	OMGT	2506R	365	OMGT	2506R	OMGT	2506R	OMGT	2506R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Conduct communications portion of a site survey	OMGT	2508R	1460	OMGT	2508R	OMGT	2508R	OMGT	2508R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

Crew Requirements	OMGT	2510R	365	OMGT	2510R	OMGT	2510R	OMGT	2510R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2516, 2518, 2520, 2522, 2524, 2910, 3000, 3005, 3100, 3305, 6100, 8000	-
Supply Support Requirement	OMGT	2512	*	OMGT	2512					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2474, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3215, 6100	-
Develop Embarkation Plan	OMGT	2514	*	OMGT	2514					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2480, 2502, 2504, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
EDL	OMGT	2516R	1460	OMGT	2516R	OMGT	2516R	OMGT	2516R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Power Requirements	OMGT	2518R	365	OMGT	2518R	OMGT	2518R	OMGT	2518R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-

Submit Frequency Request	OMGT	2520	*	OMGT	2520					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Logistics Support Request (LSR)	OMGT	2522	*	OMGT	2522					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Bill of Material (BOM)	OMGT	2524R	1460	OMGT	2524R	OMGT	2524R	OMGT	2524R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Describe BIOS settings	IAWFA	2600	*	IAWFA	2600					-	-
Differentiate between motherboard components, their purposes, and properties	IAWFA	2601	*	IAWFA	2601					-	-
Compare RAM types and features	IAWFA	2602	*	IAWFA	2602					-	-
Describe the configuration of expansion cards	IAWFA	2603	*	IAWFA	2603					-	-
Describe configuration of storage devices and appropriate media	IAWFA	2604	*	IAWFA	2604					-	-
Differentiate among various CPU types and features and the appropriate cooling method	IAWFA	2605	*	IAWFA	2605					-	-

Compare the purpose of various connection interfaces	IAWFA	2606	*	IAWFA	2606					-	-
Identify the appropriate power supply based on a given scenario	IAWFA	2607	*	IAWFA	2607					-	-
Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs	IAWFA	2608	*	IAWFA	2608					-	-
Given a scenario, evaluate types and features of display devices	IAWFA	2609	*	IAWFA	2609					-	-
Identify connector types and associated cables	IAWFA	2610	*	IAWFA	2610					-	-
Describe the configuration of various peripheral devices	IAWFA	2611	*	IAWFA	2611					-	-
Identify types of network cables and connectors	IAWFA	2612	*	IAWFA	2612					-	-
Categorize characteristics of connectors and cabling	IAWFA	2613	*	IAWFA	2613					-	-
Explain characteristics of TCP/IP	IAWFA	2614	*	IAWFA	2614					-	-
Explain common TCP and UDP ports, protocols, and their purpose	IAWFA	2615	*	IAWFA	2615					-	-
Compare wireless networking standards and encryption types	IAWFA	2616	*	IAWFA	2616					-	-

Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings	IAWFA	2617	*	IAWFA	2617					-	-
Compare Internet connection types and features	IAWFA	2618	*	IAWFA	2618					-	-
Identify various types of networks	IAWFA	2619	*	IAWFA	2619					-	-
Compare network devices their functions and features	IAWFA	2620	*	IAWFA	2620					-	-
Describe the use of appropriate networking tools	IAWFA	2621	*	IAWFA	2621					-	-
Describe the configuration of laptop hardware components	IAWFA	2622	*	IAWFA	2622					-	-
Compare the components within the display of a laptop	IAWFA	2623	*	IAWFA	2623					-	-
Compare laptop features	IAWFA	2624	*	IAWFA	2624					-	-
Explain the differences between the various printer types and imaging process	IAWFA	2625	*	IAWFA	2625					-	-
Describe the configuration of printers	IAWFA	2626	*	IAWFA	2626					-	-
Describe how to perform printer maintenance	IAWFA	2627	*	IAWFA	2627					-	-
Describe the appropriate safety procedures	IAWFA	2628	*	IAWFA	2628					-	-
Explain environmental impacts and the purpose of environmental controls	IAWFA	2629	*	IAWFA	2629					-	-

Describe proper communication and professionalism	IAWFA	2630	*	IAWFA	2630					-	-
Explain the fundamentals of dealing with prohibited content/activity	IAWFA	2631	*	IAWFA	2631					-	-
Compare the features and requirements of various Microsoft Operating Systems	IAWFA	2632	*	IAWFA	2632					-	-
Describe the configuration of the operating system using the most appropriate method	IAWFA	2633	*	IAWFA	2633					-	-
Describe appropriate command line tools	IAWFA	2634	*	IAWFA	2634					-	-
Use appropriate operating system features and tools	IAWFA	2635	*	IAWFA	2635					-	-
Use Control Panel utilities	IAWFA	2636	*	IAWFA	2636					-	-
Configure Windows networking on a client/desktop	IAWFA	2637	*	IAWFA	2637					-	-
Perform preventive maintenance procedures using appropriate tools	IAWFA	2638	*	IAWFA	2638					-	-
Explain the differences among basic OS security settings	IAWFA	2639	*	IAWFA	2639					-	-
Explain the basics of client-side virtualization	IAWFA	2640	*	IAWFA	2640					-	-
Apply and use common prevention methods	IAWFA	2641	*	IAWFA	2641					-	-

Compare common security threats	IAWFA	2642	*	IAWFA	2642					-	-
Implement security best practices to secure a workstation	IAWFA	2643	*	IAWFA	2643					-	-
Use the appropriate data destruction/disposal method	IAWFA	2644	*	IAWFA	2644					-	-
Secure a SOHO wireless network	IAWFA	2645	*	IAWFA	2645					-	-
Secure a SOHO wired network	IAWFA	2646	*	IAWFA	2646					-	-
Explain the basic features of mobile operating systems	IAWFA	2647	*	IAWFA	2647					-	-
Establish basic network connectivity and configure email	IAWFA	2648	*	IAWFA	2648					-	-
Compare methods for securing mobile devices	IAWFA	2649	*	IAWFA	2649					-	-
Compare hardware differences in regards to tablets and laptops	IAWFA	2650	*	IAWFA	2650					-	-
Execute and configure mobile device synchronization	IAWFA	2651	*	IAWFA	2651					-	-
Explain the troubleshooting theory	IAWFA	2652	*	IAWFA	2652					-	-
Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools	IAWFA	2653	*	IAWFA	2653					-	-
Troubleshoot hard drives and RAID arrays with appropriate tools	IAWFA	2654	*	IAWFA	2654					-	-

Troubleshoot common video and display issues	IAWFA	2655	*	IAWFA	2655					-	-
Troubleshoot wired and wireless networks with appropriate tools	IAWFA	2656	*	IAWFA	2656					-	-
Troubleshoot operating system problems with appropriate tools	IAWFA	2657	*	IAWFA	2657					-	-
Troubleshoot common security issues with appropriate tools and best practices	IAWFA	2658	*	IAWFA	2658					-	-
Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures	IAWFA	2659	*	IAWFA	2659					-	-
Troubleshoot printers with appropriate tools	IAWFA	2660	*	IAWFA	2660					-	-
Compare the layers of the OSI and TCP/IP models	IAWFN	2700	*	IAWFN	2700					-	-
Describe how applications, devices, and protocols relate to the OSI model layers	IAWFN	2701	*	IAWFN	2701					-	-
Explain the purpose and properties of IP addressing	IAWFN	2702	*	IAWFN	2702					-	-
Explain the purpose and properties of routing and switching	IAWFN	2703	*	IAWFN	2703					-	-
Identify common TCP and UDP default ports	IAWFN	2704	*	IAWFN	2704					-	-

Explain the function of common networking protocols	IAWFN	2705	*	IAWFN	2705					-	-
Summarize DNS concepts and its components	IAWFN	2706	*	IAWFN	2706					-	-
Implement network troubleshooting methodology	IAWFN	2707	*	IAWFN	2707					-	-
Identify virtual network components	IAWFN	2708	*	IAWFN	2708					-	-
Install and configure routers and switches	IAWFN	2709	*	IAWFN	2709					-	-
Install and configure a wireless network	IAWFN	2710	*	IAWFN	2710					-	-
Explain the purpose and properties of DHCP	IAWFN	2711	*	IAWFN	2711					-	-
Troubleshoot common wireless problems	IAWFN	2712	*	IAWFN	2712					-	-
Troubleshoot common router and switch problems	IAWFN	2713	*	IAWFN	2713					-	-
Implement a basic SOHO network	IAWFN	2714	*	IAWFN	2714					-	-
Categorize standard media types and associated properties	IAWFN	2715	*	IAWFN	2715					-	-
Categorize standard connector types based on network media	IAWFN	2716	*	IAWFN	2716					-	-
Compare different wireless standards	IAWFN	2717	*	IAWFN	2717					-	-
Categorize WAN technology types and properties	IAWFN	2718	*	IAWFN	2718					-	-

Describe different network topologies	IAWFN	2719	*	IAWFN	2719					-	-
Troubleshoot common physical connectivity problems	IAWFN	2720	*	IAWFN	2720					-	-
Compare different LAN technologies	IAWFN	2721	*	IAWFN	2721					-	-
Identify components of wiring distribution	IAWFN	2722	*	IAWFN	2722					-	-
Explain the purpose and features of various network appliances	IAWFN	2723	*	IAWFN	2723					-	-
Use appropriate hardware tools to troubleshoot connectivity issues	IAWFN	2724	*	IAWFN	2724					-	-
Use appropriate software tools to troubleshoot connectivity issues	IAWFN	2725	*	IAWFN	2725					-	-
Use the appropriate network monitoring resource to analyze traffic	IAWFN	2726	*	IAWFN	2726					-	-
Describe the purpose of configuration management documentation	IAWFN	2727	*	IAWFN	2727					-	-
Explain different methods and rationales for network performance optimization	IAWFN	2728	*	IAWFN	2728					-	-
Implement appropriate wireless security measures	IAWFN	2729	*	IAWFN	2729					-	-
Explain the methods of network access security	IAWFN	2730	*	IAWFN	2730					-	-

Explain methods of user authentication	IAWFN	2731	*	IAWFN	2731					-	-
Explain common threats, vulnerabilities, and mitigation techniques	IAWFN	2732	*	IAWFN	2732					-	-
Install and configure a basic firewall	IAWFN	2733	*	IAWFN	2733					-	-
Categorize different types of network security appliances and methods	IAWFN	2734	*	IAWFN	2734					-	-
Describe PC hardware	IAWFAT	2800R	1095	IAWFAT	2800R	IAWFAT	2800R	IAWFAT	2800R	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612	-
Describe networking concepts	IAWFAT	2802R	1095	IAWFAT	2802R	IAWFAT	2802R	IAWFAT	2802R	2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624	-
Describe laptop features and characteristics	IAWFAT	2804R	1095	IAWFAT	2804R	IAWFAT	2804R	IAWFAT	2804R	2625, 2626, 2627	-
Describe printer features and characteristics	IAWFAT	2806R	1095	IAWFAT	2806R	IAWFAT	2806R	IAWFAT	2806R	2628, 2629, 2630	-
Describe operational procedures	IAWFAT	2808R	1095	IAWFAT	2808R	IAWFAT	2808R	IAWFAT	2808R	2631, 2632, 2633, 2634	-
Describe operating systems	IAWFAT	2810R	1095	IAWFAT	2810R	IAWFAT	2810R	IAWFAT	2810R	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643	-
Describe security	IAWFAT	2812R	1095	IAWFAT	2812R	IAWFAT	2812R	IAWFAT	2812R	2644, 2645, 2646, 2647, 2648, 2649	-
Describe Mobile Devices	IAWFAT	2814R	1095	IAWFAT	2814R	IAWFAT	2814R	IAWFAT	2814R	2650, 2651, 2652, 2653, 2654	-
Describe Troubleshooting	IAWFAT	2816R	1095	IAWFAT	2816R	IAWFAT	2816R	IAWFAT	2816R	2655, 2656, 2657, 2658, 2659, 2660	-
Describe Networking Concepts	IAWFNT	2850R	1095	IAWFNT	2850R	IAWFNT	2850R	IAWFNT	2850R	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709	-
Describe Network Installation and Configuration	IAWFNT	2852R	1095	IAWFNT	2852R	IAWFNT	2852R	IAWFNT	2852R	2710, 2711, 2712, 2713, 2714, 2715	-
Describe Network Media and Topologies	IAWFNT	2854R	1095	IAWFNT	2854R	IAWFNT	2854R	IAWFNT	2854R	2716, 2717, 2718, 2719, 2720 2721, 2722, 2723	-
Describe Network Management	IAWFNT	2856R	1095	IAWFNT	2856R	IAWFNT	2856R	IAWFNT	2856R	2724, 2725, 2726, 2727, 2728, 2729	-
Describe Network Security	IAWFNT	2858R	1095	IAWFNT	2858R	IAWFNT	2858R	IAWFNT	2858R	2730, 2731, 2732, 2733, 2734	-
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		
Communications System Setup	DEPL	3000R	730	DEPL	3000R	DEPL	3000R	DEPL	3000R	2000, 2005, 2015, 2100, 2105, 2110, 2115, 2120, 2135, 2140, 2145, 2150, 2155, 2200, 2290, 2365, 2370, 2518	-
Prepare System Embark	DEPL	3005R	730	DEPL	3005R	DEPL	3005R	DEPL	3005R	2250, 2340, 2350, 2518, 3000	-
Deploy a maintenance capability	DEPL	3010R	730	DEPL	3010R	DEPL	3010R	DEPL	3010R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3305, 3315, 3325, 2100, 6100	-
TROUBLESHOOT FAULTY SYSTEM COMPONENT	PMCM	3100R	365	PMCM	3100R	PMCM	3100R	PMCM	3100R	2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2000, 2005, 2100, 2105, 2110, 2120, 2135, 2140, 2255, 2275, 2320, 2340, 2370, 2480, 3000	-
Ensure the corrective maintenance repair process is being conducted	MMGT	3205	*	MMGT	3205					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2468, 2474, 2476, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105	-
Validate Float Assets	MMGT	3210R	730	MMGT	3210R	MMGT	3210R	MMGT	3210R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2476, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3205, 6100	-

Funding Requirements	MMGT	3215	*	MMGT	3215					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3210	-
PROVIDE INPUT FOR OP PLAN	OMGT	3300	*	OMGT	3300					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105	-
Organize and assign crews for deployment	OMGT	3305	*	OMGT	3305					2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
VERIFY COMMUNICATIONS WITH EXTERNAL AGENCIES	OMGT	3315R	365	OMGT	3315R	OMGT	3315R	OMGT	3315R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-
Verify COMSEC handling procedures	OMGT	3325R	365	OMGT	3325R	OMGT	3325R	OMGT	3325R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100	-

Identify and describe concepts included in A+ exam 220-801	IAWFA	3400R	1095	IAWFA	3400R	IAWFA	3400R	IAWFA	3400R	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2800, 2802, 2804, 2806, 2808	-
Identify and describe concepts included in A+ exam 220-802	IAWFA	3405R	1095	IAWFA	3405R	IAWFA	3405R	IAWFA	3405R	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2810, 2812, 2814, 2816	-
Identify and describe concepts included in Network+ exam N10-005	IAWFA	3450R	1095	IAWFA	3450R	IAWFA	3450R	IAWFA	3450R	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858	-
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
UNIT SPECIFIC COMM SYSTEMS	SYSO	4000	*	SYSO	4000					-	-
PMCS ON GRC 242	PMCM	4100	*	PMCM	4100					-	-
PMCS ON GRC 256	PMCM	4105	*	PMCM	4105					-	-
CONFIGURE TADIL IN AC2S	OMGT	4200	*	OMGT	4200					-	-
CONFIGURE AC2S DATA COMMUNICATIONS NETWORK	OMGT	4205	*	OMGT	4205					-	-
TBMCS	FAM	4402	*	FAM	4402					-	-
IOW	FAM	4404	*	FAM	4404					-	-
COC	FAM	4412	*	FAM	4412					-	-
LMS-MT	FAM	4414	*	FAM	4414					-	-
ADPE	FAM	4416	*	FAM	4416					-	-
TAOM	FAM	4418	*	FAM	4418					-	-
SAAWF	FAM	4422	*	FAM	4422					-	-
CTT	FAM	4424	*	FAM	4424					-	-
AN/TPS-59	FAM	4426	*	FAM	4426					-	-
AN/TPS-63	FAM	4428	*	FAM	4428					-	-

3.18 T&R SYLLABUS MATRIX

DASC 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				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
ACST	1030	Maintain the Communication System (CS).	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1031	Maintain voice circuits within the Common Aviation Command and Control System (CAC2S)	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1032	Set-up the Communication System (CS) for operation.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1033	Initialize voice circuits within the Common Aviation Command and Control System (CAC2S).	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1034	Configure the CAC2S voice network.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1035	Maintain the DSAN network.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1036	Configure the Distributed Scalable AccessNet (DSAN).	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1037	Configure AN/VRC-103.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1038	Configure AN/VRC-104.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1039	Maintain the AN/GRC-256.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1040	Maintain the AN/GRC-171B(V)4.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1041	Operate common fill devices.	B	E	G	-	-	D	*		0		0		0	-	-	-	
ACST	1042	Describe the characteristics of antennas used within the Marine Air Command and Control Systems (MACCS).	B	E	G	-	-	D	*		0		0		0	-	-	-	
AIRM	1120	Describe functions of the Marine Air Command and Control System (MACCS).	B	E	G	-	-	D	*		0		0		0	-	-	-	
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										14	0	0	0	0	0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
SYSTEM OVERVIEW (YSO)																			

SYSO	2000	State HF, VHF and UHF frequency spectrums	B	-	L	-	-	D	*		0		0		2	-	-	-	
SYSO	2005	Describe HF, VHF, UHF, SATCOM radio characteristics	B,R,M	-	L	-	-	D	180		0		0		2	2000	-	-	-
SYSO	2010	Identify the characteristics of unit specific communications systems	B	-	L	-	-	D	*		0		0		1.5	2000, 2005	-	-	-
SYSO	2015	Describe the characteristics of unit specific generators and the systems they power	B,R,M	-	L	-	-	D	365		0		0		1.5	-	-	-	-
TOTAL SYSTEM OVERVIEW (SYSO)										0	0	0	0	4	7				
SETUP (SETUP)																			
SETUP	2100	Demonstrate an earth ground installation	B	-	L	-	-	D	*		0		0		3	2220	-	-	-
SETUP	2105	Erect all ground based and vehicle mounted antennas	B	-	L	-	-	D	*		0		0		4	2220	-	-	-
SETUP	2110	Install unit specific HF, VHF/UHF/SATCOM radios in the CS	B	-	L	-	-	D	*		0		0		8	-	-	-	-
SETUP	2115	Interface an external radio into the CS	B,R,M	-	L	-	-	D	730		0		0		2	2220	-	-	-
SETUP	2120	Interconnect the Processing Display System (PDS) to the Communication System (CS)	B	-	L	-	-	D	*		0		0		2	2115, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2220, 2370	-	-	-
SETUP	2125	Configure AN/VRC-103 for plain text (PT) operations	B,R,M	-	L	-	-	D	1460		0		0		1	-	-	-	-
SETUP	2130	Configure AN/VRC-104 for plain text (PT) operations	B,R,M	-	L	-	-	D	1460		0		0		1	2220	-	-	-
SETUP	2135	Configure the AN/VRC-103 and the AN/VRC-104 for single channel operations, Cipher Text (CT)	B,R,M	-	L	-	-	D	180		0		0		1	2125, 2130, 2220, 2370	-	-	-
SETUP	2140	Configure the AN/VRC-103 for SATCOM operation	B,R,M	-	L	-	-	D	180		0		0		2	2115, 2135, 2145, 2370	-	-	-
SETUP	2145	Setup satellite antenna	B,R,M	-	L	-	-	D	180		0		0		1	2115, 2125	-	-	-
SETUP	2150	Configure the AN/VRC-103 radio for enhanced operation	B,R,M	-	L	-	-	D	180		0		0		2	2115, 2125, 2135, 2370	-	-	-
SETUP	2155	Configure AN/VRC-104 radio for enhanced operation	B,R,M	-	L	-	-	D	180		0		0		2	2135, 2370	-	-	-

SETUP	2160	Demonstrate field expedient antenna techniques.	B,R,M	-	L	-	-	D	365		0		0		4	2000, 2005, 2010, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145	-	-	-
SETUP	2165	Describe unit specific shelters	B	-	G	-	-	D	*		0		0		10	-	-	-	-
SETUP	2170	Emplace shelter	B	-	G	-	-	D	*		0		0		2	2165	-	-	-
SETUP	2175	Cable shelter for power	B	-	G	-	-	D	*		0		0		2	2170	-	-	-
TOTAL SETUP (SETUP)										0	0	0	0	16	47				
TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (tmde)																			
TMDE	2200	Utilize a multimeter	B	-	G	-	-	D	*		0		0		1	-	-	-	-
TMDE	2205	Utilize a watt meter	B	-	G	-	-	D	*		0		0		1	-	-	-	-
TMDE	2210	Utilize an oscilloscope	B	-	G	-	-	D	*		0		0		2	2235	-	-	-
TMDE	2215	Utilize an Optical Time Domain Reflectometer (OTDR).	B	-	G	-	-	D	*		0		0		1	-	-	-	-
TMDE	2220	Utilize a Ground Tester	B	-	G	-	-	D	*		0		0		2	-	-	-	-
TMDE	2225	Utilize a frequency counter	B	-	G	-	-	D	*		0		0		1	-	-	-	-
TMDE	2230	Utilize a TS-4317 (Communication Test Set)	B	-	G	-	-	D	*		0		0		2	-	-	-	-
TMDE	2235	Demonstrate the proper use of a signal generator	B	-	G	-	-	D	*		0		0		1.5	-	-	-	-
TOTAL TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE)										0	0	0	0	8	11.5				
PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)																			
PMCM	2250	SL-3 Inventory	B	-	L	-	-	-	*		0		0		2	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2340	-	-	-
PMCM	2255	PM Program	B	-	L	-	-	-	*		0		0		1.5	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
PMCM	2260	AN/VRC-104 PMCS	B,R,M	-	L	-	-	-	1460		0		0		2	2130, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-	-	-
PMCM	2265	AN/VRC-103 PMCS	B,R,M	-	L	-	-	-	1460		0		0		2	2125, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-	-	-
PMCM	2270	AN/VRC-110 PMCS	B,R,M	-	L	-	-	-	1460		0		0		2	2005, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2255	-	-	-
PMCM	2275	AN/VRC-104 CM	B,R,M	-	L	-	-	-	1460		0		0		2	2000, 2005, 2105, 2130, 2135, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
PMCM	2280	AN/VRC-103 CM	B,R,M	-	L	-	-	-	1460		0		0		2	2000, 2005, 2105, 2125, 2135, 2145, 2150, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-

PMCM	2285	AN/VRC-110 CM	B,R,M	-	L	-	-	-	1460		0		0		2	2000, 2005, 2105, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
PMCM	2290	CM ON CS SYSTEM	B,R,M	-	L	-	-	-	1460		0		0		3	2000, 2005, 2100, 2105, 2110, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2275, 2280, 2370, 2518, 3000	-	-	-
PMCM	2295	Initiate a Service Request	B,R,M	-	L	-	-	-	365		0		0		2	-	-	-	-
TOTAL PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE SKILLS STAGE (PMCM)										0	0	0	0	10	20.5				
COLLATERAL DUTIES (CD)																			
CD	2300	Maintenance Collateral Duties	B	-	L	-	-	-	*		0		0		8	-	-	-	-
CD	2305	Identify Calibration Program	B,R,M	-	L	-	-	-	730		0		0		1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
CD	2310	Maintenance Mod Program	B,R,M	-	L	-	-	-	730		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
CD	2315	Maintenance Tool Control Program	B,R,M	-	L	-	-	-	730		0		0		2	2300	-	-	-

CD	2320	Maintenance Pub Library Program	B,R,M	-	L	-	-	-	730		0		0		2	2300	-	-	-
CD	2325	Maintenance Safety Prog	B,R,M	E	L	-	-	-	730		0		0		2	2300	-	-	-
CD	2330	MSDS	B,R,M	-	L	-	-	-	365		0		0		2	2300	-	-	-
CD	2335	Embarkation Elements	B	-	L	-	-	-	730		0		0		3	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
CD	2340	Equipment Record Jacket	B	-	L	-	-	-	*		0		0		1	2300	-	-	-
TOTAL COLLATERAL DUTIES SKILLS STAGE (CD)										0	0	0	0	9	23				
COMMUNICATION SECURITY (COMSEC)																			
COMSEC	2350	Describe handling and storage of classified materials.	B,R,M	-	L	-	-	-	365		0		0		2	-	-	-	-
COMSEC	2355	Familiar with physical security requirements	B,R,M	-	L	-	-	-	365		0		0		2	2350	-	-	-
COMSEC	2360	Conduct crew change over security procedures.	B,R,M	-	L	-	-	-	365		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
COMSEC	2365	Extract key material information from EKMS COMSEC callout.	B,R,M	-	L	-	-	-	365		0		0		2	2350	-	-	-

COMSEC	2370	Utilize Simple Key Loader (SKL)	B,R,M	-	L	-	-	-	365		0		0		2	2350, 2365	-	-	-
TOTAL COMMUNICATION SECURITY STAGE (COMSEC)										0	0	0	0	5	10				
FAMILIARIZATION (FAM)																			
FAM	2400	TACTICAL DATA LINKS	B	-	L	-	-	-	*		0		0		3	-	-	-	-
FAM	2406	AFATDS	B	-	L	-	-	-	*		0		0		2	-	-	-	-
FAM	2408	IOS	B	-	L	-	-	-	*		0		0		2	-	-	-	-
FAM	2410	CDLS	B	-	L	-	-	-	*		0		0		2	-	-	-	-
FAM	2420	ADCP	B	-	L	-	-	-	*		0		0		1	-	-	-	-
FAM	2430	IFF MK VII SYSTEM	B	-	L	-	-	-	*		0		0		1	-	-	-	-
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)										0	0	0	0	6	11				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2450	Equipment Disposition	B	-	L	-	-	-	*		0		0		3	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2452	PMCS Schedule	B	-	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

MMGT	2454	Reconcile Global Combat Supply System (GCSS)reports	B,R,M	-	L	-	-	-	365	0	0	4	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2456	Identify Float Process	B,R,M	-	L	-	-	-	1460	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2458	Define Major funding lines	B,R,M	-	L	-	-	-	1460	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

MMGT	2460	New equipment inducting process	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2462	Phase out equipment process	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2464	Ensure Quality Control (QC) procedures are being performed	B,R,M	-	L	-	-	-	1460	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

MMGT	2466	Inspect Maint Functional Areas	B,R,M	-	L	-	-	-	1460	0	0	16	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2468	Submit TOECR	B	-	L	-	-	-	*	0	0	16	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2470	UNS Process	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

MMGT	2472	CMR Review	B,R,M	-	L	-	-	-	1460	0	0	40	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2474	Inventory Control Procedures	B,R,M	-	L	-	-	-	1460	0	0	1.5	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
MMGT	2476	Identify the functions of maintenance management	B	E	L	-	-	-	*	0	0	13	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2456, 2460, 2462, 2464, 2724, 2468, 2470, 2472, 2474, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

MMGT	2478	Evaluate maintenance management reports	B	E	L	-	-	-	*	0	0	3	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		
MMGT	2480	INDUCT EQUIPMENT IN TO MAINTENANCE CYCLE	B	E	L	-	-	-	*	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		
TOTAL MAINTENANCE MANAGEMENT SKILLS STAGE (MMGT)										0	0	0	0	16	110.5			
OPERATIONS MANAGEMENT (OMGT)																		
OMGT	2500	Understand Doctrinal Nets	B,R,M	E	L	-	-	-	365	0	0	4	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		

OMGT	2502	Key Planning Documents	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	2504	Elements of an Op Order	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2502, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	2506	Mission Equipment Requirements	B,R,M	-	L	-	-	-	365	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

OMGT	2508	Conduct communications portion of a site survey	B,R,M	-	L	-	-	-	1460	0	0	4	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	2510	Crew Requirements	B,R,M	-	L	-	-	-	365	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2516, 2518, 2520, 2522, 2524, 2910, 3000, 3005, 3100, 3305, 6100, 8000	-	-	-
OMGT	2512	Supply Support Requirement	B	-	L	-	-	-	*	0	0	3	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2474, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3215, 6100	-	-	-

OMGT	2514	Develop Embarkation Plan	B	-	L				*	0	0	1.5	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2480, 2502, 2504, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	2516	EDL	B,R,M	-	L	-	-	-	1460	0	0	8	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	2518	Power Requirements	B,R,M	-	L	-	-	-	365	0	0	4	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

OMGT	2520	Submit Frequency Request	B	-	L				*	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		
OMGT	2522	Logistics Support Request (LSR)	B	-	L	-	-	-	*	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		
OMGT	2524	Bill of Material (BOM)	B,R,M	-	L	-	-	-	1460	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-		
TOTAL OPERATIONS MANAGEMENT SKILLS STAGE (OMGT)										0	0	0	0	13	36.5			
INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE																		
IAWFA	2600	Describe BIOS settings	B	E	L	-	-	-	*	0	0	1	-	-	-			
IAWFA	2601	Differentiate between motherboard components,	B	E	L	-	-	-	*	0	0	1	-	-	-			

		their purposes, and properties																	
IAWFA	2602	Compare RAM types and features	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2603	Describe the configuration of expansion cards	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2604	Describe configuration of storage devices and appropriate media	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2605	Differentiate among various CPU types and features and the appropriate cooling method	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2606	Compare the purpose of various connection interfaces	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2607	Identify the appropriate power supply based on a given scenario	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2608	Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2609	Given a scenario, evaluate types and features of display devices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2610	Identify connector types and associated cables	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2611	Describe the configuration of various peripheral devices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2612	Identify types of network cables and connectors	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2613	Categorize characteristics of connectors and cabling	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2614	Explain characteristics of TCP/IP	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2615	Explain common TCP and UDP ports, protocols, and their purpose	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2616	Compare wireless networking standards and encryption types	B	E	L	-	-	-	*		0		0		1	-	-	-	-

IAWFA	2617	Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2618	Compare Internet connection types and features	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2619	Identify various types of networks	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2620	Compare network devices their functions and features	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2621	Describe the use of appropriate networking tools	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2622	Describe the configuration of laptop hardware components	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2623	Compare the components within the display of a laptop	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2624	Compare laptop features	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2625	Explain the differences between the various printer types and imaging process	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2626	Describe the configuration of printers	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2627	Describe how to perform printer maintenance	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2628	Describe the appropriate safety procedures	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2629	Explain environmental impacts and the purpose of environmental controls	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2630	Describe proper communication and professionalism	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2631	Explain the fundamentals of dealing with prohibited content/activity	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2632	Compare the features and requirements of various Microsoft Operating Systems	B	E	L	-	-	-	*		0		0		1	-	-	-

IAWFA	2633	Describe the configuration of the operating system using the most appropriate method	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2634	Describe appropriate command line tools	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2635	Use appropriate operating system features and tools	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2636	Use Control Panel utilities	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2637	Configure Windows networking on a client/desktop	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2638	Perform preventive maintenance procedures using appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2639	Explain the differences among basic OS security settings	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2640	Explain the basics of client-side virtualization	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2641	Apply and use common prevention methods	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2642	Compare common security threats	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2643	Implement security best practices to secure a workstation	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2644	Use the appropriate data destruction/disposal method	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2645	Secure a SOHO wireless network	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2646	Secure a SOHO wired network	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2647	Explain the basic features of mobile operating systems	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2648	Establish basic network connectivity and configure email	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2649	Compare methods for securing mobile devices	B	E	L	-	-	-	*		0		0		1	-	-	-
IAWFA	2650	Compare hardware differences in regards to tablets and laptops	B	E	L	-	-	-	*		0		0		1	-	-	-

IAWFA	2651	Execute and configure mobile device synchronization	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2652	Explain the troubleshooting theory	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2653	Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2654	Troubleshoot hard drives and RAID arrays with appropriate tools	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2655	Troubleshoot common video and display issues	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2656	Troubleshoot wired and wireless networks with appropriate tools	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2657	Troubleshoot operating system problems with appropriate tools	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2658	Troubleshoot common security issues with appropriate tools and best practices	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2659	Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures	B	E	L	-	-	-	*	0	0	1	-	-	-
IAWFA	2660	Troubleshoot printers with appropriate tools	B	E	L	-	-	-	*	0	0	1	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE										0	0	0	0	61	61
INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE															
IAWFN	2700	Compare the layers of the OSI and TCP/IP models	B	E	L	-	-	-	*	0	0	2	-	-	-
IAWFN	2701	Describe how applications, devices, and protocols relate to the OSI model layers	B	E	L	-	-	-	*	0	0	2	-	-	-
IAWFN	2702	Explain the purpose and properties of IP addressing	B	E	L	-	-	-	*	0	0	2	-	-	-
IAWFN	2703	Explain the purpose and properties of routing and switching	B	E	L	-	-	-	*	0	0	2	-	-	-
IAWFN	2704	Identify common TCP and	B	E	L	-	-	-	*	0	0	2	-	-	-

		UDP default ports																
IAWFN	2705	Explain the function of common networking protocols	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2706	Summarize DNS concepts and its components	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2707	Implement network troubleshooting methodology	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2708	Identify virtual network components	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2709	Install and configure routers and switches	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2710	Install and configure a wireless network	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2711	Explain the purpose and properties of DHCP	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2712	Troubleshoot common wireless problems	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2713	Troubleshoot common router and switch problems	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2714	Implement a basic SOHO network	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2715	Categorize standard media types and associated properties	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2716	Categorize standard connector types based on network media	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2717	Compare different wireless standards	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2718	Categorize WAN technology types and properties	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2719	Describe different network topologies	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2720	Troubleshoot common physical connectivity problems	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2721	Compare different LAN technologies	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2722	Identify components of wiring distribution	B	E	L	-	-	-	*		0		0		2	-	-	-
IAWFN	2723	Explain the purpose and features of various network appliances	B	E	L	-	-	-	*		0		0		2	-	-	-

IAWFN	2724	Use appropriate hardware tools to troubleshoot connectivity issues	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2725	Use appropriate software tools to troubleshoot connectivity issues	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2726	Use the appropriate network monitoring resource to analyze traffic	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2727	Describe the purpose of configuration management documentation	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2728	Explain different methods and rationales for network performance optimization	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2729	Implement appropriate wireless security measures	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2730	Explain the methods of network access security	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2731	Explain methods of user authentication	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2732	Explain common threats, vulnerabilities, and mitigation techniques	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2733	Install and configure a basic firewall	B	E	L	-	-	-	*		0		0		2	-	-	-	
IAWFN	2734	Categorize different types of network security appliances and methods	B	E	L	-	-	-	*		0		0		2	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE											0	0	0	0	35	70			
INFORMATION ASSURANCE WORK FORCE A+ TEST(IAWFAT) STAGE																			
IAWFAT	2800	Describe PC hardware	B	E	L	-	-	-	1095		0		0		1	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612	-	-	-
IAWFAT	2802	Describe networking concepts	B	E	L	-	-	-	1095		0		0		1	2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624	-	-	-
IAWFAT	2804	Describe laptop features and characteristics	B	E	L	-	-	-	1095		0		0		1	2625, 2626, 2627	-	-	-
IAWFAT	2806	Describe printer features and characteristics	B	E	L	-	-	-	1095		0		0		1	2628, 2629, 2630	-	-	-
IAWFAT	2808	Describe operational procedures	B	E	L	-	-	-	1095		0		0		1	2631, 2632, 2633, 2634	-	-	-

IAWFAT	2810	Describe operating systems	B	E	L	-	-	-	1095		0		0		1	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643	-	-	-
IAWFAT	2812	Describe security	B	E	L	-	-	-	1095		0		0		1	2644, 2645, 2646, 2647, 2648, 2649	-	-	-
IAWFAT	2814	Describe Mobile Devices	B	E	L	-	-	-	1095		0		0		1	2650, 2651, 2652, 2653, 2654	-	-	-
IAWFAT	2816	Describe Troubleshooting	B	E	L	-	-	-	1095		0		0		1	2655, 2656, 2657, 2658, 2659, 2660	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+ TEST(IAWFAT) STAGE										0	0	0	0	9	9				
INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE																			
IAWFNT	2850	Describe Networking Concepts	B	E	L	-	-	-	1095		0		0		1	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709	-	-	-
IAWFNT	2852	Describe Network Installation and Configuration	B	E	L	-	-	-	1095		0		0		1	2710, 2711, 2712, 2713, 2714, 2715	-	-	-
IAWFNT	2854	Describe Network Media and Topologies	B	E	L	-	-	-	1095		0		0		1	2716, 2717, 2718, 2719, 2720 2721, 2722, 2723	-	-	-
IAWFNT	2856	Describe Network Management	B	E	L	-	-	-	1095		0		0		2	2724, 2725, 2726, 2727, 2728, 2729	-	-	-
IAWFNT	2858	Describe Network Security	B	E	L	-	-	-	*		0		0		2	2730, 2731, 2732, 2733, 2734	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE										0	0	0	0	5	7				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0	0	0	197	424				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
DEPLOYMENT SKILL TRAINING EVENTS																			
DEPL	3000	Communications System Setup	B,R,M	-	L	-	-	-	730		0		0		4	2000, 2005, 2015, 2100, 2105, 2110, 2115, 2120, 2135, 2140, 2145, 2150, 2155, 2200, 2290, 2365, 2370, 2518	-	-	-
DEPL	3005	Prepare System Embark	B,R,M	-	L	-	-	-	730		0		0		8	2250, 2340, 2350, 2518, 3000	-	-	-

DEPL	3010	Deploy a maintenance capability	B,R,M	-	L	-	-	-	730		0		0		8	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3305, 3315, 3325, 2100, 6100	-	-	-
TOTAL DEPLOYMENT SKILL TRAINING EVENTS										0	0	0	0	3	20				
PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE SKILL TRAINING EVENTS																			
PMCM	3100	TROUBLESHOOT FAULTY SYSTEM COMPONENT	B,R,M	-	L	-	-	-	365		0		0		1	2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2200, 2205, 2210, 2215, 2220, 2225, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2000, 2005, 2100, 2105, 2110, 2120, 2135, 2140, 2255, 2275, 2320, 2340, 2370, 2480, 3000	-	-	-
TOTAL PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE SKILL TRAINING EVENTS										0	0	0	0	1	1				
MAINTENANCE MANAGEMENT SKILL TRAINING EVENTS																			

MMGT	3205	Ensure the corrective maintenance repair process is being conducted	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2468, 2474, 2476, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105	-	-	-		
MMGT	3210	Validate Float Assets	B,R,M	-	L	-	-	-	730	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2456, 2476, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3205, 6100	-	-	-		
MMGT	3215	Funding Requirements	B	-	L	-	-	-	*	0	0	3	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2458, 2478, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 3210	-	-	-		
TOTAL MAINTENANCE MANAGEMENT SKILL TRAINING EVENTS										0	0	0	0	3	7			
OPERATIONS MANAGEMENT SKILL TRAINING EVENTS																		

OMGT	3300	PROVIDE INPUT FOR OP PLAN	B	-	L	-	-	-	*	0	2	0	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100, 6105	-	-	-
OMGT	3305	Organize and assign crews for deployment	B	-	L	-	-	-	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2365, 2370, 2452, 2454, 2480, 2506, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-
OMGT	3315	VERIFY COMMUNICATIONS WITH EXTERNAL AGENCIES	B,R,M	-	L	-	-	-	365	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100, 6100	-	-	-

OMGT	3325	Verify COMSEC handling procedures	B,R,M	-	L	-	-	-	365		0		0		1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2315, 2320, 2325, 2330, 2340, 2350, 2355, 2360, 2365, 2370, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100	-	-	-
TOTAL OPERATIONS MANAGEMENT SKILL TRAINING EVENTS										0	0	1	2	3	4				
INFORMATION ASSURANCE WORK FORCE A+(IAWFA)																			
IAWFA	3400	Identify and describe concepts included in A+ exam 220-801	B,R,M	E	L	-	-	-	1095		0		0		2	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2800, 2802, 2804, 2806, 2808	-	-	-
IAWFA	3405	Identify and describe concepts included in A+ exam 220-802	B,R,M	E	L	-	-	-	1095		0		0		2	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2810, 2812, 2814, 2816	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA)										0	0	0	0	2	4				
INFORMATION ASSURANCE WORK FORCE A+(IAWFA)																			
IAWFN	3450	Identify and describe concepts included in Network+ exam N10-005	B,R,M	E	L	-	-	-	1095		0		0		2	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA)										0	0	0	0	1	2				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	2	4	13	39				

MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
SYSTEM OVERVIEW (SYSO)																			
SYSO	4000	UNIT SPECIFIC COMM SYSTEMS	B	-	L	-	-	-	*		0		0		2	-	-	-	
TOTAL SYSTEM OVERVIEW SKILLS STAGE (SYSO)										0	0	0	0	1	2				
PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE																			
PMCM	4100	PMCS ON GRC 242	B	-	L	-	-	-	*		0		0		2	-	-	-	
PMCM	4105	PMCS ON GRC 256	B	-	L	-	-	-	*		0		0		2	-	-	-	
TOTAL PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE										0	0	0	0	2	4				
OPERATIONS MANAGEMENT (OMGT) STAGE																			
OMGT	4200	CONFIGURE TADIL IN AC2S	B	-	L	-	-	-	*		0		0		70	-	-	-	
OMGT	4205	CONFIGURE AC2S DATA COMMUNICATIONS NETWORK	B	-	L	-	-	-	*		0		0		37	-	-	-	
TOTAL OPERATIONS MANAGEMENT (OMGT) STAGE										0	0	0	0	2	107				
FAMILIARIZATION (FAM)																			
FAM	4402	TBMCS	B	-	L	-	-	-	*		0		0		2	-	-	-	
FAM	4404	IOW	B	-	L	-	-	-	*		0		0		2	-	-	-	
FAM	4412	COC	B	-	L	-	-	-	*		0		0		2	-	-	-	
FAM	4414	LMS-MT	B	-	L	-	-	-	*		0		0		2	-	-	-	
FAM	4416	ADPE	B	-	L	-	-	-	*		0		0		3	-	-	-	
FAM	4418	TAOM	B	-	L	-	-	-	*		0		0		1	-	-	-	
FAM	4422	SAAWF	B	-	L	-	-	-	*		0		0		1	-	-	-	
FAM	4424	CTT	B	-	L	-	-	-	*		0		0		1	-	-	-	
FAM	4426	AN/TPS-59	B	-	L	-	-	-	*		0		0		1	-	-	-	
FAM	4428	AN/TPS-63	B	-	L	-	-	-	*		0		0		1	-	-	-	
TOTAL FAMILIARIZATION (FAM) STAGE										0	0	0	0	10	16				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0	0	0	15	129				
TOTAL 2000, 3000, AND 4000 PHASE										0	0	2	4	225	592				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1	Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-

		program																	
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			
QUAL	6100	ACSBT	B,R,M	E	L	-	-	-	1095		0		0		8	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2310, 2315, 2320, 2325, 2330, 2340, 2350, 2365, 2370, 2406, 2408, 2452, 2454, 2480, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3100			

QUAL	6105	ACSAT	B,R,M	E	L	-	-	-	1095	0	0	8	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2340, 2350, 2355, 2360, 2365, 2370, 2406, 2408, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2724, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2900, 2905, 2910, 2915, 2920, 2925, 2940, 2516, 2518, 2520, 2522, 2524, 3000, 3005, 3010, 3100, 3205, 3210, 3215, 3300, 3305, 3315, 3325, 6100						
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	2	16				
CERTIFICATION (CERT)																			
CERT	6200	COMPTIA A+ Technician	B,R,M	E	L	-	-	-	1095	0	0	8	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405						

CERT	6205	COMPTIA Network+ Technician	B,R,M	E	L	-	-	-	1095	0	0	8	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450			
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	2	16	
DESIGNATIONS (DESG)																
DESG	6320	Basic Instructor (BI)	B	-	L	-	-	L	*	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 5000, 5010, 5020, 6100	-	-	-
DESG	6321	Senior Instructor (SI)	B	-	L	-	-	L	*	0	0	1	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2265, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2650, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2480, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6100, 6105, 6320	-	-	-

DESG	6500	SAFETY CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6505	HAZMAT CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6510	PUB CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-

DESG	6515	TRAINING CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6520	TOOLS CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6525	CAL CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-

DESG	6530	MOD CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6535	EMBARK CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-
DESG	6540	MIMMS CD	B	-	L	-	-	L	*		0		0		2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2365, 2370, 2406, 2408, 2480, 3000, 3005, 3210, 6100	-	-	-

DESG	6545	QC CD	B	-	L	-	-	L	*	0	0	2	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2360, 2406, 2408, 2450, 2452, 2458, 2460, 2462, 2478, 2500, 2506, 2512, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3100, 3210, 3315, 3325, 3400, 3405, 6100, 6105	-	-	-
DESG	6550	ACSCC	B	-	L	-	-	L	*	0	0	0	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2355, 2360, 2406, 2408, 2450, 2452, 2456, 2458, 2460, 2462, 2474, 2476, 2478, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2650, 2708, 2900, 2905, 2910, 2915, 2920, 2925, 3000, 3005, 3010, 3100, 3205, 3210, 3300, 3305, 3315, 3325, 3400, 3405, 6100, 6105, 8020	-	-	-

DESG	6555	ACSMC	B	-	L	-	-	L	*	0	0	0	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2250, 2255, 2260, 2265, 2270, 2275, 2280, 2285, 2290, 2295, 2300, 2305, 2310, 2315, 2320, 2325, 2330, 2335, 2540, 2340, 2350, 2355, 2360, 2365, 2370, 2400, 2406, 2408, 2410, 2420, 2430, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2650, 2660, 2724, 2900, 2905, 2910, 2915, 2920, 2925, 2940, 3000, 3005, 3010, 3100, 3205, 3210, 3215, 3300, 3305, 3315, 3325, 3400, 3405, 6100, 6105, 8020, 8060, 8080	-	-	-
DESG	6560	Designation as an IAWF A+ technician	B	-	L	-	-	L	*	0	0	1	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405, 6200			

DESG	6565	Designation as an IAWF Network+ technician	B	-	L	-	-	L	*		0		0		1	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450, 6205			
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	16	24				
SCHOOL CODES (SCHL)																			
SCHL	6013	Systems Administrator	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6014	Network Administrator	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6020	Link 16 Interoperability Course (JT-101)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6022	United States Message Text Formatting (USMTF) Course (JT-105)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6023	Link 16 Planner Course (JT-201)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6024	USMTF Manager Course (JT-205)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6026	Joint Interface Control Officer (JICO) (JT-301)	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6030	MATC Work Center Supervisors Course	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6031	MATC Maintenance Managers Course	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6073	Micro miniature Electronic Repair	B	-	G	-	-	L	*		0		0		0	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*		0		0		0	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										13	0	0	0	0	0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										13	0	0	0	20	56				

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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 DATA SYSTEMS ADMINISTRATOR/5974
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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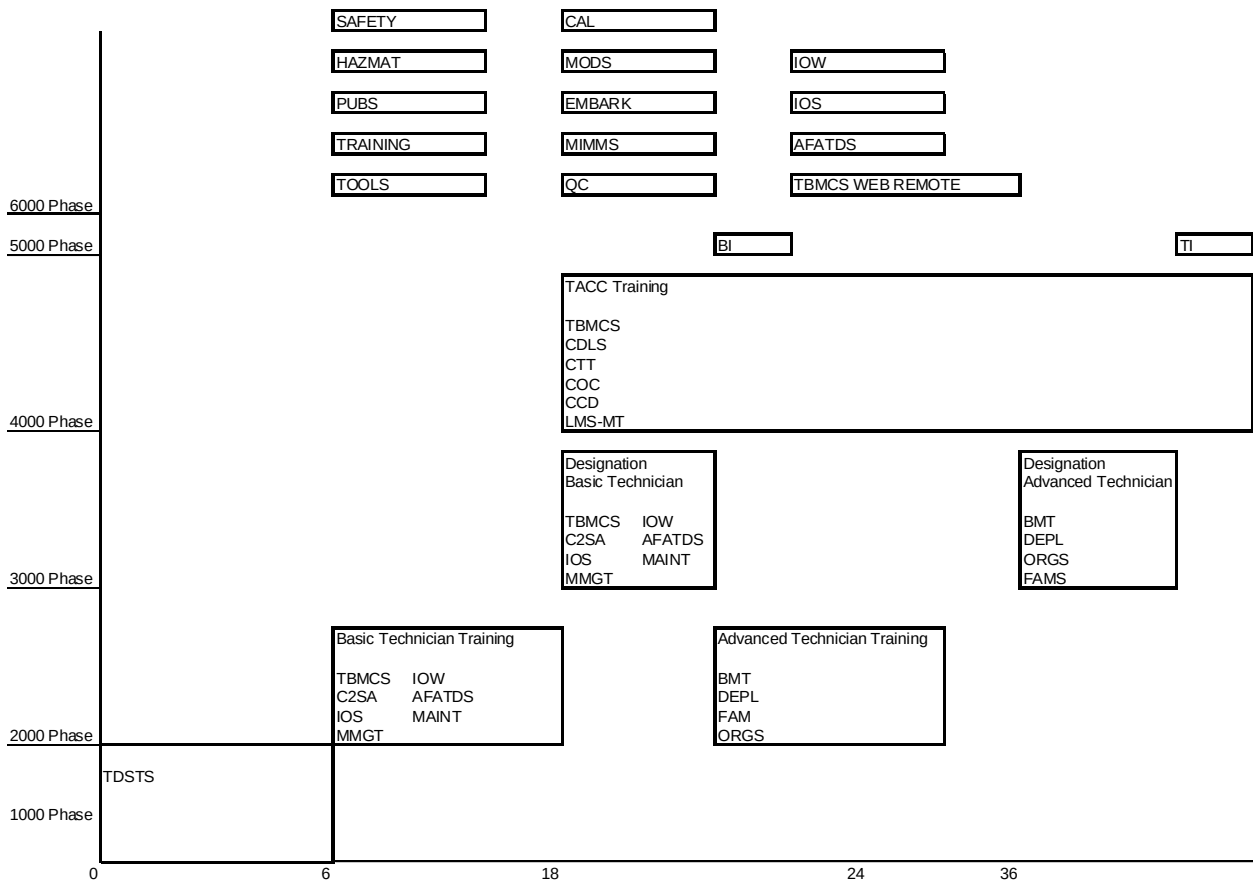
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CHAPTER 4

TACTICAL DATA SYSTEMS ADMINISTRATOR/5974
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

4.0 TACTICAL DATA SYSTEMS ADMINISTRATOR 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 war fighting capabilities.

4.1 5974 TRAINING PROGRESSION MODEL. This model represents the recommended training progression for the average (Tactical Data Systems Administrator) crewmember. Units should use the model as a point of departure to generate individual training plans.



4.2 ABBREVIATIONS

DASC MAINTENANCE MOS 5974
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS
CORE SKILL (2000 Phase)

TMDE	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT
SHEL	SHELTERS
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
CD	COLLATERAL DUTIES
NET	NETWORK
TDSR	TDS REMOTE
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM
ADPE	AUTOMATED DATA PROCESSING EQUIPMENT
IOS	INTELLIGENCE OPERATING SYSTEM
IOW	INTELLIGENCE OPERATING WORKSTATION
FAM	FAMILIARIZATION
AFATDS	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM
COMSEC	COMMUNICATION SECURITY
DEPL	DEPLOYMENT
OMGT	OPERATIONS MANAGEMENT
MMGT	MAINTENANCE MANAGEMENT
IAWFA	INFORMATION ASSURANCE WORKFORCE A+
IAWFN	INFORMATION ASSURANCE WORKFORCE NET+
IAWFAT	INFORMATION ASSURANCE WORKFORCE A+ TEST
IAWFNT	INFORMATION ASSURANCE WORKFORCE NET+ TEST
MISSION SKILL (3000 Phase)	
DASC	DIRECT AIR SUPPORT CENTER
DEPL	DEPLOYMENT
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONS MANAGEMENT
CORE PLUS (4000 Phase)	
NET	NETWORK
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM
CDLS	COMMUNICATION DATA LINK SYSTEM
CTT	COMMANDERS TACTICAL TERMINAL/ HYBRID 3
CCD	COMMON CONNECTIVITY DEVICE
COC	COMBAT OPERATIONS CENTER
LMSMT	LINK MANAGEMENT SYSTEM--MULTI TADIL
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
IOWSA	C2SA ON IOW
IOSSA	IOS SYSTEM ADMINISTRATOR
AFATDS	AFATDS SYSTEM ADMINISTRATOR
TBSA	THEATER BATTLE MANAGEMENT CORE SYSTEM ADMINISTRATOR

TDSBT	TACTICAL DATA SYSTEMS BASIC ADMINISTRATION TECHNICIAN
TDSAT	TACTICAL DATA SYSTEMS ADVANCED ADMINISTRATION TECHNICIAN
TDSAC	TACTICAL DATA SYSTEMS ADMINISTRATION CHIEF
TDSMC	TDS MAINTENANCE CHIEF
QC CD	QUALITY CONTROL

4.3 DEFINITIONS

TERM	DEFINITION
Core Model	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
Core Skill	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.
Mission Skill	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.
Core Plus Skill	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.
Core Plus Mission	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.
Core Skill Proficiency (CSP)	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.
Mission Skill Proficiency (MSP)	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.
Core Plus Skill Proficiency (CPSP)	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
Core Plus Mission Proficiency (CPMP)	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

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 in the Program Manual for amplifying information on POI updating.

DASC MAINTENANCE MOS 5974					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
CORE SKILL (2000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
TMDE	2000				
TMDE	2005				
TMDE	2010				
SHEL	2026				
SHEL	2028				
SHEL	2030				
SHEL	2032				
PMCM	2050				
PMCM	2052				
PMCM	2054				
PMCM	2056				
PMCM	2058				
CD	2075				
CD	2077R	CD	2077R	CD	2077R
CD	2079R	CD	2079R	CD	2079R
CD	2081R	CD	2081R	CD	2081R
CD	2083R	CD	2083R	CD	2083R
CD	2085R	CD	2085R	CD	2085R
CD	2087R	CD	2087R	CD	2087R
CD	2089R	CD	2089R	CD	2089R

CD	2091R	CD	2091R	CD	2091R
CD	2093				
NET	2100R	NET	2100R	NET	2100R
NET	2102R	NET	2102R	NET	2102R
NET	2104R	NET	2104R	NET	2104R
TDSR	2125				
TDSR	2127				
TDSR	2129R	TDSR	2129R	TDSR	2129R
TBMCS	2150				
TBMCS	2152				
TBMCS	2154				
TBMCS	2156				
TBMCS	2158R	TBMCS	2158R	TBMCS	2158R
ADPE	2175				
ADPE	2177				
ADPE	2179R	ADPE	2179R	ADPE	2179R
ADPE	2181				
ADPE	2183R	ADPE	2183R	ADPE	2183R
IOS	2200				
IOS	2202				
IOS	2204R	IOS	2204R	IOS	2204R
IOS	2206R	IOS	2206R	IOS	2206R
IOS	2208R	IOS	2208R	IOS	2208R
IOW	2225				
IOW	2227				
IOW	2229R	IOW	2229R	IOW	2229R
IOW	2231R	IOW	2231R	IOW	2231R
IOW	2233R	IOW	2233R	IOW	2233R
FAM	2250				
FAM	2252				
FAM	2254				
FAM	2256				
FAM	2258				
FAM	2260				
FAM	2262				
FAM	2264				
FAM	2266				
AFATDS	2275				
AFATDS	2277				
AFATDS	2279R	AFATDS	2279R	AFATDS	2279R
AFATDS	2281R	AFATDS	2281R	AFATDS	2281R

AFATDS	2283R	AFATDS	2283R	AFATDS	2283R
COMSEC	2300R	COMSEC	2300R	COMSEC	2300R
COMSEC	2302R	COMSEC	2302R	COMSEC	2302R
COMSEC	2304R	COMSEC	2304R	COMSEC	2304R
COMSEC	2306R	COMSEC	2306R	COMSEC	2306R
COMSEC	2308R	COMSEC	2308R	COMSEC	2308R
DEPL	2325				
DEPL	2327				
DEPL	2329				
DEPL	2331				
OMGT	2400				
OMGT	2402R	OMGT	2402R	OMGT	2402R
OMGT	2404R	OMGT	2404R	OMGT	2404R
OMGT	2406				
OMGT	2408				
OMGT	2410R	OMGT	2410R	OMGT	2410R
OMGT	2412R	OMGT	2412R	OMGT	2412R
OMGT	2414R	OMGT	2414R	OMGT	2414R
OMGT	2416				
OMGT	2418				
OMGT	2420R	OMGT	2420R	OMGT	2420R
MMGT	2500				
MMGT	2502				
MMGT	2504				
MMGT	2506R	MMGT	2506R	MMGT	2506R
MMGT	2508R	MMGT	2508R	MMGT	2508R
MMGT	2510				
MMGT	2512				
MMGT	2514R	MMGT	2514R	MMGT	2514R
MMGT	2516R	MMGT	2516R	MMGT	2516R
MMGT	2518				
MMGT	2520				
MMGT	2522R	MMGT	2522R	MMGT	2522R
MMGT	2524R	MMGT	2524R	MMGT	2524R
MMGT	2528				
MMGT	2530				
MMGT	2532				
MMGT	2534				
IAWFA	2600				
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IAWFN	2730				
IAWFN	2731				
IAWFN	2732				
IAWFN	2733				
IAWFN	2734				
IAWFAT	2800R	IAWFAT	2800R	IAWFAT	2800R
IAWFAT	2802R	IAWFAT	2802R	IAWFAT	2802R
IAWFAT	2804R	IAWFAT	2804R	IAWFAT	2804R
IAWFAT	2806R	IAWFAT	2806R	IAWFAT	2806R
IAWFAT	2808R	IAWFAT	2808R	IAWFAT	2808R
IAWFAT	2810R	IAWFAT	2810R	IAWFAT	2810R
IAWFAT	2812R	IAWFAT	2812R	IAWFAT	2812R
IAWFAT	2814R	IAWFAT	2814R	IAWFAT	2814R
IAWFAT	2816R	IAWFAT	2816R	IAWFAT	2816R
IAWFNT	2850R	IAWFNT	2850R	IAWFNT	2850R
IAWFNT	2852R	IAWFNT	2852R	IAWFNT	2852R
IAWFNT	2854R	IAWFNT	2854R	IAWFNT	2854R
IAWFNT	2856R	IAWFNT	2856R	IAWFNT	2856R
IAWFNT	2858R	IAWFNT	2858R	IAWFNT	2858R
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
DEPL	DEPL-3005R	DEPL	DEPL-3005R	DEPL	DEPL-3005R
	DEPL-3010R		DEPL-3010R		DEPL-3010R
	DEPL-3015				
MMGT	MMGT-3100	MMGT		MMGT	
	MMGT-3105R		MMGT-3105R		MMGT-3105R
	MMGT-3110				
OMGT	OMGT-3200	OMGT		OMGT	
	OMGT-3205				
	OMGT-3210R		OMGT-3210R		OMGT-3210R
	OMGT-3215R		OMGT-3215R		OMGT-3215R
	OMGT-3220R		OMGT-3220R		OMGT-3220R
	OMGT-3225R		OMGT-3225R		OMGT-3225R
	OMGT-3230R		OMGT-3230R		OMGT-3230R

	OMGT-3235R		OMGT-3235R		OMGT-3235R
IAWFA	IAWFA-3400	IAWFA	IAWFA-3400	IAWFA	IAWFA-3400
	IAWFA-3405		IAWFA-3405		IAWFA-3405
IAWFN	IAWFN-3450	IAWFN	IAWFN-3450	IAWFN	IAWFN-3450
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
INTEL	4000				
INTEL	4005				
NET	4100R	NET	4100R	NET	4100R
TBMCS	4155R	TBMCS	4155R	TBMCS	4155R
TBMCS	4157				
TBMCS	4159R	TBMCS	4159R	TBMCS	4159R
TBMCS	4161R	TBMCS	4161R	TBMCS	4161R
TBMCS	4163R	TBMCS	4163R	TBMCS	4163R
TBMCS	4165R	TBMCS	4165R	TBMCS	4165R
TBMCS	4167R	TBMCS	4167R	TBMCS	4167R
TBMCS	4169R	TBMCS	4169R	TBMCS	4169R
TBMCS	4171R	TBMCS	4171R	TBMCS	4171R
TBMCS	4173R	TBMCS	4173R	TBMCS	4173R
TBMCS	4175R	TBMCS	4175R	TBMCS	4175R
TBMCS	4177R	TBMCS	4177R	TBMCS	4177R
TBMCS	4179R	TBMCS	4179R	TBMCS	4179R
TBMCS	4181R	TBMCS	4181R	TBMCS	4181R
TBMCS	4183R	TBMCS	4183R	TBMCS	4183R
COC	4200				
COC	4205				
COC	4210				
COC	4215				
CTT	4255				
CTT	4260				
CTT	4265R	CTT	4265R	CTT	4265R
CCD	4300				
CCD	4305				
CCD	4310				
CCD	4315	CCD	4315	CCD	4315
LMSMT	4355				
LMSMT	4360				
LMSMT	4365				
LMSMT	4370				
LMSMT	4375	LMSMT	4375	LMSMT	4375

CDLS	4400				
CDLS	4405				
CDLS	4410				
CDLS	4415				
CDLS	4420R	CDLS	4420R	CDLS	4420R

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

DASC MAINTENANCE MOS 5974 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5100, 5110, 5120, 5130, M-SHARP FORMAL TRAINING, 6240

4.5.2 Requirements, Certifications, Qualifications, and Designations

DASC MAINTENANCE MOS 5974	
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
COMMAND AND CONTROL SYSTEM ADMINISTRATOR ON TBMCS WEB REMOTE (TBMCS SA) (QUAL 6100)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2100, 2102, 2104, 2129, 2150, 2152, 2154, 2156, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
COMMAND AND CONTROL SYSTEM ADMINISTRATOR ON INTELLIGENCE OPERATIONS WORKSTATION (IOW SA) (QUAL 6105)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2225, 2227, 2229, 2231, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
INTELLIGENCE OPERATIONS SYSTEM SYSTEM ADMINISTRATOR (IOS SA) (QUAL 6110)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2200, 2202, 2204, 2206, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
ARMY FIELD ARTILLERY TACTICAL DATA SYSTEM SYSTEM ADMINISTRATOR (AFATADS SA) (QUAL 6115)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2275, 2277, 2279, 2281, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
TACTICAL DATA SYSTEMS BASIC TECHNICIAN (TDSBT) (QUAL 6120)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230
TACTICAL DATA SYSTEMS ADVANCED TECHNICIAN (TDSAT) (QUAL 6125)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120

COMPTIA A+ Technician (CERT 6200)	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405
COMPTIA Network+ Technician (CERT 6205)	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450
Basic Instructor (BI) (DESG 6320)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 6120
Senior Instructor (SI) (DESG 6321)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6120, 6320
TDS MAINTENANCE CHIEF (TDSMC) (DESG 6500)	2000, 2005, 2010, 2055, 2060, 2065, 2070, 2105, 2110, 2115, 2120, 2125, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2200, 2205, 2210, 2265, 2320, 2355, 2360, 2365, 2370, 2375, 2420, 2475, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2570, 2575, 2600, 2605, 2610, 2615, 2620, 2655, 2660, 2665, 2670, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2750, 2755, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125
SAFETY COLLATERAL DUTY (SAF CD) (DESG 6505)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2085, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
HAZARDOUS MATERIAL COLLATERAL DUTY (HAZMAT CD) (DESG 6510)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2087, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
PUBLICATIONS COLLATERAL DUTY (PUB CD) (DESG 6515)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2083, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
TRAINING COLLATERAL DUTY (TRNG CD) (DESG 6520)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6120, 6320, 6321
TOOLS COLLATERAL DUTY (TOOLS CD) (DESG 6525)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2081, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
CALIBRATIONS COLLATERAL DUTY (CAL CD) (DESG 6530)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2077, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
MODIFICATIONS COLLATERAL DUTY (MOD CD) (DESG 6535)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2079, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
EMBARK COLLATERAL DUTY (EMB CD) (DESG 6540)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2089, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
GCSS CD (DESG 6545)	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2091, 2093, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120
QUALITY CONTROL COLLATERAL DUTY (QC CD) (DESG 6550)	2000, 2005, 2010, 2055, 2060, 2065, 2070, 2105, 2110, 2115, 2120, 2125, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2200, 2205, 2210, 2265, 2320, 2355, 2360, 2365, 2370, 2375, 2420, 2475, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2570, 2575, 2600, 2605, 2610, 2615, 2620, 2655, 2660, 2665, 2670, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2750, 2755, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

4.6 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.

4.6.1 Basic POI

DASC MAINTENANCE 5939 BASIC POI		
WEEKS ¹	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

DASC MAINTENANCE MOS 5939 REFRESHER POI		
WEEKS ¹	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 flown unaided
(N*)	May be conducted during hours of darkness – If conducted during hours of darkness must be flown unaided
(N)	May be conducted during darkness – If conducted during hours of darkness; may be flown 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 flown with Night Vision Devices
Note – If the event is to be conducted in the simulator the Simulator Instructor shall set the desired 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 Phase)

4.9.1 Purpose. To provide classroom entry-level instruction to develop the basic skills necessary to configure and manage tactical data links and joint range extension applications protocols as well establish secure intelligence links and configure the common center. This training is complete upon graduation from the Tactical Data Systems Administrator Course when the trainee is designated MOS 5974, Tactical Data Systems Administrator (TDSA).

4.9.2 General

4.9.2.1 Prerequisite. Be a graduate of the Basic Electronics Course (CID:M092721) and meet the requirement delineated in the MOS Manual.

4.9.2.2 Admin Notes. Tactical Data Systems Technician Course, (CID: ???), MCCES, located in 29 Palms, CA. This program of instruction can be viewed on MCTIMS.

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)

4.9.3 AIR SCHOOLS (AIRS) STAGE

4.9.3.1 Purpose. To train entry level personnel and lateral move NCOs in the duties as Tactical Data Systems Technicians.

4.9.3.2 General

Prerequisite. Per the MOS Manual, MCO 1200.17.

Admin Notes. None

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

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

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

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

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
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

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

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.

Ordinance. 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

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.

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
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

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

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

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.

Ordinance. 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

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.

Ordinance. 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

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

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

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.

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
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-1094 * B E G

Goal. Describe Networked Operating Systems (NOS).

Requirement. Conduct the following:

1. Describe UNIX networking components.
2. Describe Windows networking components.
3. Describe network services.
4. Describe Network File System (NFS).
5. Describe Distributed File System (DFS).
6. Describe Active Directory.
7. Describe Kerberos.
8. Describe Samba.
9. Describe 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-1095 * B E G

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

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

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

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

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

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

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
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.

Ordinance. 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.

Ordinance. 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 PHASE (2000 Phase)

4.10.1 Purpose. To develop core skill proficiency for 5974 personnel to be able to perform duties while assigned to the tactical data systems section.

(1) Basic Technicians will gain core skill proficiency in basic networking, basic systems administration, and basic systems management on command and control systems at the DASC.

(2) Advance Technicians will gain core skill proficiency in advanced networking, advanced systems administration, advanced systems management, and data link setup and maintenance on command and control systems at the DASC.

(3) Crew Chiefs will gain core skill proficiency in managing crew level networking, security operations to include data systems, establishing data links, networks and joint range extension applications protocol and configuring a command center. This training will provide the crew chief the skills necessary to run a TDS crew.

(4) Maintenance Chiefs will gain core skill proficiency in supervising and managing maintenance section operations to include networking, security administration, and advanced systems management on command and control systems. Finally, the core skills will provide the DASC Maintenance Chief the skills necessary to run a DASC Maintenance section.

4.10.2 General

4.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSBT). Core Skill Introduction training must be completed prior to beginning TDSBT training.

(2) Tactical Data Systems Basic Administration Technician (TDSAAT). Be qualified as a TDSBT prior to beginning TDSAAT training.

(3) Tactical Data Systems Administration Chief (TDSAC). Be qualified as a TDSAAT prior to beginning TDSAC training.

(4) Tactical Air Command and Control Maintenance Chief (TACCMC). Be qualified as a TDSAAT prior to beginning TACCMC training.

4.10.2.2 Admin Notes.

(1) In the current fiscally constrained environment, commanders are encouraged to send their 5974 Marines to the TECOM funded Tactical Data Systems Managers course and the MACCS Senior Maintenance Managers Course conducted by MCCES to receive essential training delineated in this syllabus. Marines would receive formalized instruction in a short period of time while preserving unit resources.

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

(3) 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 Phase of training.

PAR NO.	STAGE NAME
4.10.3	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE)
4.10.4	SHELTERS (SHEL)
4.10.5	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
4.10.6	COLLATERAL DUTIES (CD)
4.10.7	NETWORK (NET)
4.10.8	TDS REMOTE (TDSR)
4.10.9	THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)
4.10.10	AUTOMATED DATA PROCESSING EQUIPMENT (ADPE)
4.10.11	INTELLIGENCE OPERATING SYSTEM (IOS)
4.10.12	INTELLIGENCE OPERATING WORKSTATION (IOW)
4.10.13	FAMILIARIZATION (FAM)
4.10.14	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS)
4.10.15	COMUNICATION SECURITY (COMSEC)

4.10.16	DEPLOYMENT (DEPL)
4.10.17	OPERATIONS MANAGEMENT (OMGT)
4.10.18	MAINTENANCE MANAGEMENT (MMGT)
4.10.19	INFORMATION ASSURANCE WORKFORCE A+ (IAWFA)
4.10.20	INFORMATION ASSURANCE WORKFORCE NET+ (IAWFN)
4.10.21	INFORMATION ASSURANCE WORKFORCE A+ TEST (IAWFAT)
4.10.22	INFORMATION ASSURANCE WORKFORCE NET+ TEST (IAWFNT)

4.10.3 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

4.10.3.1 Purpose. To provide an overview and familiarization with various test equipment capabilities and usages.

4.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2000	1.0	*	B	(1) 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. Measure current.
7. Adhere to safety procedures.

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable user manual.

TMDE-2002 2.0 * B (1) Ground Tester 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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 9406-15

TMDE-2004 2.0 * B 1 LAN ANALYZER L

Goal. Utilize LAN analyzer.

Requirement. Given a LAN analyzer, network cable, and references, do the following:

1. Identify LAN analyzer.
2. State its purpose.
3. Analyze network cable.

Performance Standard. Demonstrate proper use of the LAN analyzer and analyze a cable IAW the reference. This event can be accomplished by sending the Marine to the 5974 NCO course at MCCES.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable user manual.

4.10.4 SHELTERS (SHEL)

4.10.4.1 Purpose. The purpose of this stage is to teach the Marine the characteristics of unit specific shelters, and their emplacement and cabling.

4.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

SHEL-2026 10.0 * B 1 SHELTER L

Goal. Describe unit specific shelters.

Requirement. Given references and a list of unit specific shelters:

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

Performance Standard. Identify unit specific shelters IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Shelter Technical Manuals

SHEL-2028 2.0 * B 1 SHELTER L

Goal. Emplace shelter.

Requirement. Given a site diagram 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.

Instructor. BI,SI

Prerequisite. 2032

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Heavy equipment.

Reference.

1. Applicable Technical Manual and site diagram.

SHEL-2030	2.0	*	B	1 SHELTER	L

Goal. Cable shelter for power.

Requirement. Given references, cables, shelter, and grounding kit, complete the following steps:

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

Performance Standard. Shelter is safely energized as specified by the instructor.

Instructor. BI,SI

Prerequisite. 2028

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable Technical Manual.

SHEL-2032	3.0	*	B	(1) Grnd Rod Kit/MK-255IAU	L

Goal. Demonstrate an earth ground installation.

Requirement. Given a grounding kit and PPE.

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-255IAU Grounding Kit (SWIG).

6. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. With the aid of reference, complete the requirement items. Instructor shall verify the grounding was successful.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 9406-15 Ground Procedures Manual

4.10.5 PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE

4.10.5.1 Purpose. To teach the Marine troubleshooting procedures, corrective maintenance, and preventative maintenance.

4.10.5.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements. NONE

PMCM-2050	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:

1. Conduct the inventory.
2. Identify and document missing, broken, or unserviceable SL-3 items IAW references
3. Document completed inventory findings in the record jacket.

Performance Standard. With the aid of reference, conduct the SL-3 inventory by completing the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 4700-15/1_
2. MCO P4790.2_
3. Applicable equipment SL-3 or TM.

PMCM-2052	1.5	*	B	L

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

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

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Decipher the entries listed on the provided PMCS roster

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 4700-15/_
2. NAVMC 10561
3. MCO P4790.2_

PMCM-2054	2.0	*	B	L

Goal. State the trouble-shooting procedure for MACCS TDS.

Requirement. State the following trouble-shooting steps in order:

1. Describe Problem.
2. Verify problem with user.
3. Verify cabling.
4. Verify hardware functionality.
5. Verify software operation.
6. Document error messages.
7. Check references for known problems.
8. Reference log files.
9. Reference configuration files.
10. Re-create problem when possible.

11. Identify possible causes for error.
12. Test solutions.
13. Document Procedures.
14. Submit problem and solution for analysis.

Performance Standard. State the trouble-shooting procedure in order with the aid of reference and without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Unit SOP

PMCM-2056	8.0	*	B	L

Goal. Conduct Preventive Maintenance (PM).

Requirement. Given required equipment and references, and while adhering to safety procedures, perform the following:

1. Visually inspect equipment for damage.
2. Clean all Cable and jacks.
3. Clean equipment, interior and exterior.
4. Clean human interface devices.

Performance Standard. Conduct PM on the given equipment by completing all the items on the performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2050, 2052, 2091, 2502

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

Appropriate technical manual.

PMCM-2058	2.0	*	B	L

Goal. Initiate corrective maintenance.

Requirement. Given a faulty piece of equipment and GCSS documents, induct faulty equipment into maintenance cycle.

Performance Standard. Given a performance checklist, induct equipment into the maintenance cycle by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2054

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM-4700/15-1H
2. MCO P4790.2

4.10.6 COLLATERAL DUTIES (CD) STAGE

4.10.6.1 Purpose. To familiarize the Marine on the duties and responsibilities of each collateral duty in a maintenance shop.

4.10.6.2 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. The core maintenance collateral duties are:

1. Calibrations
2. Modifications
3. Tool Control
4. Publications
5. Safety/Hazardous Materials (HAZMAT)
6. Embarkation
7. Marine Integrated Maintenance Management Service (GCSS)
8. Equipment Records
9. Quality Control

Crew Requirements. None

CD-2075	8.0	*	B	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. GCSS
 - a. State the purpose of the GCSS program.
 - b. State the duty responsibilities.
9. Records
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
 - c. State the purpose of an equipment record jacket and list the minimum content required per MCO P4790.2.
10. Quality Control
 - a. State the purpose of the quality control program.
 - b. State the duty responsibilities.

Performance Standard. After each CD brief, each collateral duty holder will ask the Marine to verbally state the purpose and responsibilities of that CD. Once all CD briefs have been received the event is considered complete.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2077	1.0	730	B,R,M	TMDE	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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MMO SOP

CD-2079	2.0	730	B,R,M	L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references:

1. Describe the purpose of the maintenance modification program
2. Demonstrate how modifications are:
 - a. Identified
 - b. Installed
 - c. Verified
 - d. Recorded

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

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. PLMS
2. MCO P4790.2C,
3. TM-4700-15/1H
4. Maintenance Modifications Program CD Desktop

CD-2081 2.0 730 B,R,M 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 they are serviceable.
5. State the process for replacement of the unserviceable tools.
6. Ensure proper documentation.

Performance Standard. With the aid of reference, complete the requirement items. Instructor will ensure all items are serviceable, account for, and documented in the record jacket.

Instructor. BI,SI

Prerequisite. 2050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MMO SOP
2. MCO P4790.2_

CD-2083 2.0 730 B,R,M L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references:

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. Instructor will randomly select three publications and have the Marine locate them and verify they are up to-date.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2085	2.0	730	B,R,M	E	L

Goal. Identify major Maintenance Safety Program elements.

Requirement. With the aid of references;

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, pass a exam on the requirements noted above with 80% accuracy.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2087 2.0 365 B,R,M L

Goal. State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.

Requirement. Given an MSDS and references:

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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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 the OSHA web site

CD-2089 3.0 730 B,R,M L

Goal. Identify the key elements of the Maintenance Embarkation Program.

Requirement. Given the references:

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 four key elements listed above without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2091	2.0	365	B,R,M	L

Goal. Initiate a service request.

Requirement. Given a piece of equipment requiring a service request, NAVMC 1018, and a computer with GCSS access;

1. Login to GCCS.
 2. Open a new service request
- Forward service request to the Maintenance Chief.
3. Fill out a NAVMC 1018 Inspection/Repair Tag (IRT).

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

Instructor. BI,SI

Prerequisite. 2056, 2058

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. GCSS

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

CD-2093 1.0 * B L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket:

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. Instructor will ensure the IPR is complete and accurate.

Instructor. BI,SI

Prerequisite. 2050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. TM-4700-15/1_
3. MCO 5210.11E

4.10.7 Network (NET)

4.10.7.1 Purpose. To train the Marine to setup network equipment, install a local area network, configure network security, and manage a tactical data network.

4.10.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

NET-2100 8.0 365 B,R,M 1 TDS EQUIPMENT L

Goal. Setup network equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Make a straight through Ethernet cable.
3. Make a crossover Ethernet cable.
4. Cable components.
5. Energize components.
6. Conduct operational status check.

Performance Standard. Conduct all the requirement items using a performance checklist and IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Appropriate end item user manuals.

NET-2102	8.0	365	B,R,M	1ROUTER, 1SWITCH, 1COMPUTER	L

Goal. Establish Local Area Network.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install operating systems.
2. Install System Specific Software.
3. Configure switches.
4. Configure routers.
5. Configure Network Time server.
6. Configure TDS to use network time.

Performance Standard. Conduct all items using a performance checklist and IAW the reference.

Instructor. BI,SI

Prerequisite. 2100

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Appropriate end item user manuals.

NET-2104 4.0 365 B,R,M 1 DASC L

Goal. Administer a network system.

Requirement. Given a network, references, materials, and required equipment, perform the following:

1. Connectivity checks
2. Log Files Check
3. Network Time Check
4. Trouble Shoot Network error(s)

Performance Standard. Administer a network system using a performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2100, 2102

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

4.10.8 TDS Remote (TDSR)

4.10.8.1 Purpose. To teach the Marines the skills necessary to setup, install, and manage a Tactical Data System Remote.

4.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TDSR-2125 16.0 * B 1 DASC L

Goal. Setup TDS Remote Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components.
3. Energize components.
4. Conduct operational status check.

Performance Standard. Conduct all requirement items using a performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2102

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

TDSR-2127	8.0	*	B	1 DASC	L

Goal. Install TDS remote.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install Operating System.
2. Install system specific software.
3. Configure system specific software.
4. Log Progress.
5. Log Errors.

Performance Standard. Complete a TDS remote installation using a performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2102, 2125

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

TDSR-2129	4.0	*	B	1 DASC	L

Goal. Conduct TDSR systems administration / configuration management.

Requirement. Given a TDS remote, references, materials and required equipment, perform the following:

1. Verify server connectivity
2. Check system log
3. Check system Time

4. Network Time Check
5. Trouble Shoot error(s)

Performance Standard. Ensure the proper operation of the TDS remote by completing all items on the performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2102, 2125, 2127

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

4.10.9 THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)

4.10.9.1 Purpose. To teach the Marine to build Theater Battle Management Core System (TBMCS).

4.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TBMCS-2150	2.0	*	B	1 Computer	L

Goal. Identify a TBMCS Web Remote and the TDSA responsibilities.

Requirement. Given references and a TBMCS Web Remote:

1. State the purpose and function of the TBMCS Web Remote.
2. Identify software components of each.
3. Identify hardware components of each.
4. Identify TDSA responsibilities with respect to the system.

Performance Standard. Given the references and equipment, identify the components of a TBMCS Web Remote and the TDSA's responsibilities.

Instructor. BI,SI

Prerequisite. 2102

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable TBMCS SUMs.

TBMCS-2152 4.0 * B 1 COMPUTER L

Goal. Setup a TBMCS Web Remote workstation.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install operating system.
2. Install TBMCS software.
3. Establish network connectivity.

Performance Standard. Setup a TBMCS Web Remote workstation IAW the reference without error.

Instructor. BI,SI

Prerequisite. 2102, 2150

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-2154 4.0 * B 1 COMPUTER L

Goal. Install TBMCS Web Remote workstation.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install operating system.
2. Install TBMCS software.
3. Establish network connectivity.

Performance Standard. Setup a TBMCS Web Remote workstation IAW the reference without error.

Instructor. BI,SI

Prerequisite. 2102, 2150, 2152

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-2156 4.0 * B 1 COMPUTER L

Goal. Configure TBMCS Web Remote workstation.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure network settings.
2. Configure time settings.
3. Coordinate TBMCS user accounts with TBMCS host
4. Configure user accounts.
5. Log progress
6. Log errors

Performance Standard. Conduct the requirements IAW the reference without error.

Instructor. BI,SI

Prerequisite. 2102, 2150, 2152, 2154

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-2158	4.0	365	B,R,M	1 COMPUTER	L

Goal. Perform configuration management/systems administration on TBMCS Web Remote workstation.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Administer TBMCS Remote workstation connectivity.
2. Log files check.
3. Network time check.
4. Trouble shoot errors.

Performance Standard. Conduct the requirements IAW the reference without error.

Instructor. BI,SI

Prerequisite. 2102, 2150, 2152, 2154, 2156

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

4.10.10 Automated Data Processing Equipment (ADPE)

4.10.10.1 Purpose. To teach the Marine to setup, install, and manage Automated Data Processing Equipment (ADPE).

4.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

ADPE-2175	2.0	*	B	1 ADPE	L

Goal. Identify and 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 and identify the functions for each.
2. Identify software components for each.
3. Identify hardware components for each.

Performance Standard. Given the references and equipment, identify components of ADPE.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

ADPE-2177	2.0	*	B	1 ADPE	L

Goal. Install ADPE.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following

1. Emplace components.
2. Cable components.
3. Energize components.
4. Conduct operational status check.

Performance Standard. conduct operational status check using a performance checklist IAW the reference.

Instructor. BI,SI

Prerequisite. 2175

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

ADPE-2179	8.0	365	B,R,M	1 ADPE	L

Goal. Install ADPE operating systems and software.

Requirement. Given a site diagram, references, materials, and equipment, perform the following:

1. Install operating system.
2. Install System specific software to include but not limited to:
 - a. JADOCs
 - b. C2PC
 - c. CITRIX
 - d. Management Software
 - e. Falcon View
 - f. IRC
3. Log Progress.
4. Log Errors.

Performance Standard. With the aid of references install operating systems and software using a performance checklist.

Instructor. BI,SI

Prerequisite. 2104, 2175, 2177, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

ADPE-2181	8.0	*	B	1 ADPE	L

Goal. Configure ADPE.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure Network Settings.
2. Configure Time Settings.

3. Configure System Specific Software to include, but not limited to:
 - a. JADOCs
 - b. C2PC
 - c. CITRIX
 - d. Management Software
 - e. Falcon View
 - f. IRC
 - g. EMT
4. Log Progress.
5. Log Errors.

Performance Standard. With the aid of references configure operating systems and software using a performance checklist

Instructor. BI,SI

Prerequisite. 2104, 2175, 2177, 2179, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

ADPE-2183	2.0	365	B,R,M	1 ADPE	L

Goal. Perform configuration management/systems configuration on ADPE.

Requirement. Given a network, references, materials and required equipment, perform the following:

1. Verify Server Connectivity.
2. Check system log.
3. Check system Time.
4. Network Time Check.
5. Troubleshoot error(s).

Performance Standard. With the aid of references verify an operational system.

Instructor. BI,SI

Prerequisite. 2104, 2175, 2177, 2179, 2181, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

4.10.11 Intelligence Operations Server (IOS)

4.10.11.1 Purpose. To teach the Marine to setup, install, perform configuration management, and systems administration on the Intelligence Operations Server (IOS).

4.10.11.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IOS-2200	2.0	*	B	1 IOS	L

Goal. Familiarization with Intelligence Operating System (IOS).

Requirement. Given references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOS-2202	2.0	*	B	1 IOS	L

Goal. Setup IOS Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components
3. Energize components.
4. Conduct operational status check

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2200, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOS-2204	2.0	365	B,R,M	1 IOS	L

Goal. Install IOS Software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform vendor Image Recovery
2. Log Progress.
3. Log Errors.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2200, 2202, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOS-2206	3.0	365	B,R,M	1 IOS	L

Goal. Configure IOS.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure Network Settings
2. Configure Time Settings
3. Configure Frame-Work Settings
4. Configure UB settings
5. Configure CST links
6. Configure JREAP links
7. Configure for JADOCs interface
8. Log Progress.
9. Log Errors.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2200, 2202, 2204, 2400

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOS-2208	2.0	365	B,R,M	1 IOS	L

Goal. Perform configuration management/ Systems Administration on IOS.

Requirement. Given an IOS, references, materials, and required equipment, perform the following:

1. Verify CST status
2. Verify JREAP status
3. Database purge
4. System backups
5. Log Files Check
6. Network Time Check
7. Trouble Shoot error(s)

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2200, 2202, 2204, 2206, 2400, 2404

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable user manuals.

4.10.12 Intelligence Operations Workstation (IOW)

4.10.12.1 Purpose. To teach the Marine to setup, install, configure, administer, and manage the Intelligence Operations Workstation (IOW).

4.10.12.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IOW-2225 2.0 * B 1 IOW L

Goal. Identify an IOW.

Requirement. Given references and an IOW, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite. 2104

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOW-2227 2.0 * B 1 IOW L

Goal. Setup IOW Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components.
3. Energize components.
4. Conduct operational status check.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite. 2104, 2225

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOW-2229 2.0 365 B,R,M 1 IOW L

Goal. Install IOW software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform vendor Image recovery.
2. Log Progress.
3. Log Errors.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite. 2104, 2225, 2227, 2404

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOW-2231	3.0	365	B,R,M	1 IOW	L

Goal. Configure IOW.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure Network settings.
2. Configure Time settings.
3. Configure C2PC Gateway settings.
4. Configure C2PC Client settings.
5. Configure maps.
6. Configure user accounts.
7. Configure network speed.
8. Log Progress.
9. Log Errors.

Performance Standard. Conduct all the requirements items IAW the references.

Instructor. BI,SI

Prerequisite. 2104, 2225, 2227, 2229, 2404

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

IOW-2233 2.0 365 B,R,M 1 IOW L

Goal. Perform configuration management / systems administration on IOW.

Requirement. Given an IOW, references, materials and required, equipment, perform the following:

1. Administer C2PC Gateway connectivity.
2. Administer C2PC Client connectivity.
3. System backups.
4. Log Files Check.
5. Network Time Check.
6. Trouble Shoot error(s).

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite. 2104, 2225, 2227, 2229, 2231, 2404

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

4.10.13 Familiarization (FAM)

4.10.13.1 Purpose. To build the Marines awareness in the fundamentals of MACCS Maintenance Communication System, Tactical Data Links, System Administration, and System Networks to include Radar and Tactical Data Systems.

4.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

FAM-2250 2.0 * B L

Goal. State HF, VHF and UHF frequency spectrums.

Requirement. Without the aid of reference, state the frequency spectrum for:

1. HF
2. VHF
3. UHF

Performance Standard. Without the aid of reference, state the frequency spectrum for HF, VHF, and UHF without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. MCRP 3-40.3B

FAM-2252	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
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

Performance Standard. Without the aid of reference, describe HF, VHF, UHF, SATCOM radio characteristics without error.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2254 3.0 * B L

Goal. Define Tactical Data Links characteristics.

Requirement. Given the references, state the capability of each data link.

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

Performance Standard. With the aid of reference, state the capability of each data link. .

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. TM 10200A-OI/1 ADCP Maintenance Manual
3. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

FAM-2256 1.0 * B L

Goal. Describe TAOM equipment groups.

Requirement. Given the reference:

1. Describe the purpose of the Operator Interface Equipment.
2. Describe the purpose of the Data Processing Equipment.
3. Describe the purpose of the Voice Communications Equipment.
4. Describe the purpose of the Digital Communications Equipment.

5. Describe the purpose of the Radar Interface Equipment.
6. Describe the purpose of Internal Radio Equipment.
7. Describe the purpose of System Level Equipment.

Performance Standard. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 10498B-OD TAOM Operations Maintenance Manual

FAM-2258 1.0 * B L

Goal. Describe ADCP equipment.

Requirement. Given the references:

1. Describe the purpose of the ADCP operator interface equipment.
2. Describe the purpose of the ADCP voice communications equipment.
3. Describe the purpose of the TADIL-J equipment (to include JRE).

Performance Standard. With the aid of references, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. Understanding Link 16 Guidebook for USN & USMC Operators
3. JRE-GW Operation & Maintenance Instruction TO 31S5-TYQ123 8-1
4. AN/PRC-117 Operation Manual Publication # 10515-0109-4100
5. AN/VRC 103 System Installation/Maintenance Manual Publication # 10515-0110-4200

FAM-2260 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. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. 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-2262	1.0	*	B	L

Goal. Familiarization with AN/TPS-59 Radar equipment.

Requirement. Given the reference:

1. Describe the purpose of the AN/TPS-59 Radar System.
2. Describe the major components of the AN/TPS-59 Radar System.
3. Describe the characteristics of the AN/TPS-59 Radar System.

Performance Standard. With the aid of reference, describe each requirement item IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 07751B

FAM-2264	1.0	*	B	L

Goal. Familiarization with AN/TPS-63 Radar equipment.

Requirement. Given the reference:

1. Describe the purpose of the AN/TPS-63 Radar system.

2. Describe the major components of the AN/TPS-63 Radar system.
3. Describe the characteristics of the AN/TPS-63 Radar System.

Performance Standard. With the aid of reference, describe each requirement item IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. TM 07736C

FAM-2266	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. With the aid of reference, describe each requirement item IAW the references.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. UM 2005

4.10.14 ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS)

4.10.14.1 Purpose. To teach the Marine to setup, install, perform configuration management, and systems administration on the Advanced Field Artillery Tactical Data System (AFATDS).

4.10.14.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

AFATDS-2275 2.0 * B 1 AFATDS L

Goal. Familiarization with Advanced Field Artillery Tactical Data System (AFATDS).

Requirement. Given references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

AFATDS-2277 2.0 * B 1 AFATDS L

Goal. Setup AFATDS Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components
3. Energize components.
4. Conduct operational status check

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2275

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

AFATDS-2279 2.0 365 B,R,M 1 AFATDS L

Goal. Install AFATDS Software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform vendor Image Recovery
2. Log Progress.
3. Log Errors.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2275, 2277

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

AFATDS-2281 2.0 365 B,R,M 1 AFATDS L

Goal. Configure AFATDS.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure Network Settings
2. Configure Time Settings
3. Configure JMUL
4. Log Progress.
5. Log Errors.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2275, 2277, 2279

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

AFATDS-2283 2.0 365 B,R,M 1 AFATDS L

Goal. Manage AFATDS.

Requirement. Given an AFATDS, references, materials, and required equipment, perform the following:

1. Verify COMM Channel status
2. Verify JREAP status
3. Log Files Check
4. Network Time Check
5. Trouble Shoot error(s)

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite. 2104, 2275, 2277, 2279, 2281, 2404

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

4.10.15 COMMUNICATION SECURITY (COMSEC) STAGE

4.10.15.1 Purpose. To teach the Marine safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout.

4.10.15.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2300 2.0 365 B,R,M L

Goal. Describe proper handling and storage of classified materials.

Requirement. State and identify 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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P5510.18_
2. EKMS-1
3. SECNAVINST 5510.36

COMSEC-2302 2.0 365 B,R,M L/S

Goal. Ensure physical security of classified areas.

Requirement. Given a scenario and references, illustrate personnel and equipment security procedures.

1. Create guard schedule.
2. Single entry control point.
3. Verify personnel on Access Roster.
4. Construct a Triple Strand Concertina perimeter.
5. Entry points of communication lines.
6. Submit a physical security diagram.

Performance Standard. With the aid of reference, draw a diagram depicting the information listed in the requirement; instructor will validate that the diagram supports the scenario.

Instructor. BI,SI

Prerequisite. 2300

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCO P5530.14

2. FM 5-34_

COMSEC-2304 2.0 365 B,R,M L

Goal. Conduct crew change over security procedures.

Requirement. During a crew change over:

1. Conduct Classified Material Control Center inventory.
2. Conduct EKMS inventory.
3. Destroy superseded key materials.

Performance Standard. With the aid of reference, conduct the inventories and destroy key materials without discrepancy.

Instructor. BI,SI

Prerequisite. 2300, 2302, 2306, 2308

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

COMSEC-2306 2.0 365 B,R,M L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references:

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.

Instructor. BI,SI

Prerequisite. 2408

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

COMSEC-2308 2.0 365 B,R,M (1) Common Fill Device L

Goal. Utilize 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. Define a 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. Given two (2) common fill devices and the reference, transfer cryptographic information from device to 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.

Instructor. BI,SI

Prerequisite. 2408

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. EKMS-1A

4.10.16 Deployment Planning (DEPL)

4.10.16.1 Purpose. To teach the Marine to support the deployment of a DASC.

4.10.16.2 General

Prerequisite. NONE

Admin Notes. NONE.

Crew Requirements. NONE.

DEPL-2325 8.0 * B L

Goal. Write a packing list and Equipment Density List (EDL).

Requirement. Given the references and a mission:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.
4. Define the purpose of an EDL.
5. Describe essential EDL contents.
6. Complete an EDL.

Performance Standard. With the aid of reference, write a packing list and an EDL and complete the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCRP 4-11.3G Unit Embarkation Handbook
2. Local SOP

DEPL-2327	6.0	*	B	1 DASC	L

Goal. Develop an embarkation plan.

Requirement. Given the references and a specific mission:

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL) that lists the necessary equipment to support the specified mission.
3. Identify heavy equipment required to move EDL items.
4. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement items and develop an embarkation plan to support the mission.

Instructor. BI,SI

Prerequisite. 2325

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCWP 3-25
2. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual

DEPL-2329 4.0 * B L

Goal. Identify operational power requirements.

Requirement. Given a scenario, applicable technical manuals:

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.
4. List the capabilities of organic generators:
 - a. MEP 803A.
 - b. MEP 805A/B.
 - c. MEP 806A/B.

Performance Standard. With the aid of reference, and without error, provide total operational power requirements for all equipment required to support the scenario.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Refer to equipment applicable TMs.

DEPL-2331 2.0 * B L

Goal. Assist with developing and implementing crew schedules.

Requirement. Develop and provide the following:

1. Determine manning requirements.
2. Determine working hours of exercise/operation.
3. Ensure crews are assigned to tasks that meet their level of capabilities.
4. Ensure schedule is published.

Performance Standard. Conduct all the requirement items IAW the references. Completion of the MACCS Maintenance Managers Course at MCCES satisfies the standard.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Chapter 1 of this Manual.
2. Unit T/O.
3. M-SHARP

4.10.17 OPERATIONS MANAGEMENT (OMGT) STAGE

4.10.17.1 Purpose. To teach the Marine to administer Network, Security, and System Administration for C2 systems at the DASC.

4.10.17.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2400	2.0	*	B	1 DASC	L

Goal. Demonstrate Network Administration.

Requirement. Given a configured network, demonstrate the following:

1. Monitor the network for connectivity.
2. Troubleshoot data connectivity issues between external agencies.
3. Ensure logbook entries are being maintained and accurate.

Performance Standard. Given a configured network, analyze and evaluate data connectivity, state and record the operational capability of the network.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

External Support. Applicable external MACCS agencies.

Reference.

1. CISCO IOS Cookbook-O'Reilly
2. TBMCS SAM SUM
3. TBMCS SSA SUM
4. TBMCS Trusted Facilities Manual

OMGT-2402 4.0 365 B,R,M 1 DASC L

Goal. Demonstrate System Administration.

Requirement. Given a scenario, ensure the following:

1. Applicable C2 systems are configured and operational.
2. Applicable processes and applications are functioning.

Performance Standard. Conduct the requirement IAW the references.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SSA SUM
2. TBMCS IFO SUM
3. TBMCS COMMON SUM
4. TBMCS ORACLE SUM
5. TBMCS SAM SUM
6. JADSI USER'S MANUAL
7. IOS/IOW USER'S MANUAL
8. TM 10987A-OI (CDLS manual)

OMGT-2404 3.0 365 B,R,M 1 DASC L

Goal. Demonstrate Security Administration.

Requirement. Given a configured network, demonstrate the following:

1. Accurate designation of permissions to users.
2. Anti-virus and service packs are installed and current.
3. Firewalls are configured to meet operational requirements.
4. Classification of equipment is visible and correct.
5. Crypto is available and procedures are followed.
6. Classified material is stored in GSA approved containers.
7. Destruction of superseded fills.

Performance Standard. Conduct the requirement IAW the reference.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS Trusted Facilities Manual
2. TBMCS System Security Administration (SSA) manual
3. EKMS-1
4. DODD 8570.01
5. DODD 8500.01E
6. DODI 8500.2

OMGT-2406 2.0 * B L

Goal. Identify the purpose of key 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. State the purpose and content of the EKMS Callout.

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

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 5-1

OMGT-2408 2.0 * B L

Goal. State key sections of an operational order (OPORD).

Requirement. Given the reference and an OPORD, identify the following sections:

1. State the purpose and major sections of an OPORD.
2. State the purpose and content of the Annex K.
3. State the purpose and content of the OPTASKLINK.
4. State the purpose and content of the EKMS Callout.

Performance Standard. Without the aid of reference, describe the key components of an OPOD IAW the reference.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 5-1

OMGT-2410	2.0	365	B,R,M	L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Major end items.
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 items; the instructor will confirm the list supports the mission.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25
2. SECNAVINST 5510.36,

3. EKMS-1

OMGT-2412 4.0 1460 B,R,M L

Goal. Conduct a site survey

Requirement. Given a scenario, applicable references, a TO/E and mission statement, determine an appropriate 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. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine proper grounding system.
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, complete the requirement items. The instructor will review/discuss the site layout and brief with the trainee to provide guidance as to content. The trainee will brief the instructor and maintenance officer and at minimum provide the reasoning for the below five items. Instructor will question the trainee during the brief to check for understanding of the site survey process and will mentor the trainee throughout.

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. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. 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. [Navy Safety Center](#)
14. MCO 5100.29A W/CH 1
15. MCO 5104.2
16. MCO 5104.3A

OMGT-2414 2.0 365 B,R,M L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given a T/O, the applicable T&Rs and a mission:

1. Determine the mission requirements.
2. Determine the duration of operations.
3. Determine totals crews required to support the mission.
4. Determine the crew composition/requirements.
5. Write the crew schedule
6. Submit the crew schedule to the instructor.
7. 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; ensure crewmembers have the training and experience necessary to support the mission. Submit the crew schedule to the instructor who will review and validate against CMMR. The trainee will then describe the process to publish the schedule.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. T&R Manual.
2. MCWP 3-25

OMGT-2416 3.0 * B L

Goal. Determine supply support requirements.

Requirement. Given the reference and a specific mission:

1. Determine supply needs with consideration of the following:
 - a. Length of deployment
 - b. Location
 - c. Equipment
 - d. Daily operations
 - e. Climate
2. Identify float requirements and deficiencies.
4. Identify bill of material (BOM) requirements.

Performance Standard. With the aid of reference, produce supply, float, BOM and ICE2 lists that support the given mission.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25

OMGT-2418 1.0 * B L

Goal. Fill out a Logistics Support Request (LSR).

Requirement. Given a scenario, identify materials required to sustain operations for mission length.

1. Transport requirements
2. Heavy Equipment (MHE) requirements
3. Class 9 block
4. Supply requirements

Performance Standard. With the aid of reference, submit a completed LSR to the instructor for accuracy and validation. Completion of the Aviation Communication Systems Maintenance Manager Course at MCCES satisfies this standard.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCO P4790.2_

OMGT-2420 2.0 1460 B,R,M L

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

Requirement. Given a deployment scenario, Training Exercise Employment Plan (TEEP) documents and required references, submit a BOM request.

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.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. MCO P4400.150_

4.10.18 MAINTENANCE MANAGEMENT (MMGT) STAGE

4.10.18.1 Purpose. To teach the Marine maintenance management skills.

4.10.18.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2500 3.0 * B L

Goal. Ensure proper preparatory measures are taken for disposition of equipment.

Requirement. Given a scenario, the Material Fielding plans, User's Logistic Support Summary (ULSS), and appropriate directives, 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.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Equipment Disposition Instructions
2. Supply Instructions
3. User Logistics Supply Support Summary's (ULSS)
4. SL-3 or other inventory documents.
5. MCO P4400.82F Regulated Controlled Item Management

MMGT-2502 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. With the aid of reference, create the PMCS schedule.

Instructor. BI,SI

Prerequisite. 2052

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM-4700-15/1H
2. MCO P4790.2_

MMGT-2504 4.0 * B L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirements. Given the reports listed in item 1 below:

1. Identify the purpose of:
 - a. Maintenance Production Report (MPR)
 - b. Maintenance Production Report (MPR)
 - c. Maintenance Production Report (MPR)
 - d. Exceptions Report
 - e. TAM report
 - f. TAM report
 - g. Loaded unit balance file (LUBF)
 - h. Due and status file (DASF)
 - 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 UDMIPS 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, complete the requirement items. Verbally identify errors on reports provided and identify corrective actions to the instructor.

Instructor. BI,SI

Prerequisite. 2091

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MCBUL 3000
5. UM 4790-5
6. MCO P4400.16
7. TM 4700.15/1_
8. DLA Handbook
9. Unit MMSOP

MMGT-2506 2.0 1460 B,R,M L

Goal. Identify the float process.

Requirement. Given a practical application scenario, applicable maintenance and supply documents:

1. Define the purpose of the float process.
2. Define the purpose of Critical Low Density items.
3. Identify the key components of the float process.
4. Identify the key documentation within each component of the float process.
5. Identify the float re-computation process.
6. Identify Low Density Float assets.

Performance Standard. With the aid of reference, define the float process and provide recommendations for organizational critical Low Density Float assets and required on-hand quantities to the instructor for approval.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 4790.2
2. MCO P4400.150
3. FEDLOG

MMGT-2508 2.0 1460 B,R,M L

Goal. Define the four major funding lines.

Requirement. Given the references, define the four major funding lines.

1. Operation & Maintenance (O&M) Funds
 - a. Planning Estimate (PE)
 - (1) Defense Subsistence Supply 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)

Performance Standard. With the aid of reference, define the requirement items.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

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

MMGT-2510 2.0 * B L

Goal. Induct new equipment into service.

Requirement. Given a practical application, a Material Fielding Plan (MFP) or Users Logistics Support Summary (ULSS) and applicable references:

1. Review the MFP or ULSS.
2. Validate new equipment is properly placed into service.
 - a. Ensure equipment record was created with required documents.
 - b. Ensure an initial LTI was performed
 - c. Ensure initial SL-3 was performed.
 - d. Verify equipment is added to Major Subordinate Command (MSC) Mechanized Allowance List (MAL).
 - e. Ensure induction of new equipment into calibration cycle if required.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2050, 2077, 2091

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Supply Instructions
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1C
6. MCO P4400.82
7. UM 4400.124
8. MCCDC 1001

MMGT-2512 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 final LTI was performed.
 - d. Ensure a Recoverable Items Report (WIR) - request for disposition - was submitted using the WOLPH.
 - e. Ensure equipment was disposed of IAW instructions in Phase out plan.
 - f. Ensure the equipment records were completed and accompanied equipment.
 - g. Ensure the equipment and proper documentation was sent to Supply for turn-in.
 - h. Ensure supply received the proper documentation to remove equipment from the CMR.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2050, 2091

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. Supply Instructions (SI)
2. ULSS
3. Equipment SL-3
4. Initial Issuing Provision Inventories
5. MCO 5311.1C
6. MCCDC 1001
7. MCO P4400.82
8. UM 4400.124

MMGT-2514 2.0 1460 B,R,M L

Goal. Ensure Quality Control (QC) procedures are being performed.

Requirement. Given the references and equipment records,

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 MGCSS forms are used during maintenance cycle
5. Ensure NAVMC-10772 form was completed and verified.
6. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, complete the requirement items.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4790.2_
2. MMO SOP

MMGT-2516 16.0 1460 B,R,M L

Goal. Inspect maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting the following 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.
- 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. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2524, 2528, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 4790.2_
2. MCO P4400.82_
3. MCO P4400.160_
4. MCO P4400.150_
5. MCO 4855.10_
6. MCO 4790.18_
7. MCO 4733.1_
8. MCO 4450.12_
9. MCO 4400.16_
10. MCO 4105.2 W/CH 1
11. UM-PLMS W CH 1-2
12. NAVMC DIR 5100.8
13. NAVMC 2761 DTD 1 JUN 08
14. MCO P5215.17_
15. MCO P5102.1_
16. MCO P5090.2_
17. MCO 5104.2_
18. MCO 5104.1
19. MCO 5100.8
20. MCO 5100.29
21. MCO 1553.3_
22. MCO 3000.11_
23. MCO 3500.14_
24. MCO 3710.6 (PRELIM)

MMGT-2518 2 * B L

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

Requirement. Given a scenario and applicable references:

1. State the purpose for a TOECR

2. Pull TO&E via the Total Force Structure Management System (TFSMS).
3. Validate the requirement for change.
4. Complete TOECR form, NAVMC 11355.

Performance Standard. With the aid of reference, complete the requirement items. instructor will ensure the NAVMC 11355 supports the scenario.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 5311.1_
2. Unit TO&E

MMGT-2520 2.0 * B L

Goal. Submit a request for equipment using the Marine Corps Urgent Needs Process (MCUNP).

Requirement. Given references and an urgent equipment requirement:

1. State the purpose of the Universal Needs Statement (UNS).
2. State the purpose of the urgent UNS.
3. Describe the process for completing a UNS form.
4. Complete and submit an UNS form to support the requirement.

Performance Standard. With the aid of reference, complete the requirement.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. NAVMC 11475
2. MCO 3900.17_

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2091, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO P4400.150_
2. MCO P4790.2_

MMGT-2528 13.0 * B E L

Goal. Identify the functions of maintenance management

Requirements. With the aid of reference, perform the following:

1. Select the statement that identifies a reference associated with the GCSS.
2. Select the statement that identifies the objectives of GCSS.
3. Select the statement that identifies equipment maintenance management procedures.
4. Select the statement that identifies the responsibilities of maintenance management personnel.
5. Select the statement that identifies the information contained in the Table of Organization and Equipment (T/O&E).
6. Select the statement that identifies a step in the process to submit a T/O&E change request.
7. Select the statement that identifies the purpose of supply reports used in Maintenance Management.
8. Select the statement that identifies the procedures to reconcile a Consolidated Memorandum Receipt (CMR).
9. Select the statement that identifies the purpose of maintenance support programs.
10. Select the statement that describes Repairable Issue Point (RIP) procedures.
11. Select the statement that describes RIP customer re-computation procedures.
12. Select the statement that describes a step in the Recoverable Item Report (WIR) procedures.

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

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510,

2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References. 1. MCO P4790.2_
2. MCO P4790.1_
3. TM 4700-15/1_
4. UM 4790.5
5. MCO P440.16_
6. MCBUL 3000

MMGT-2530 3.0 * B E L

Goal. Evaluate maintenance management reports.

Requirements. Given the references and selected reports, perform the following:

1. Identify the information contained in a Maintenance Production Report
2. Identify an error in a MPR.
3. Identify the two unit readiness ratings and what they mean
4. Identify the information contained in an Exceptions Report

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

Instructor. BI,SI

Prerequisite. 2091

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.
1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_

MMGT-2532 1.0 * B E L

Goal. Induct equipment into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, fill out the required paperwork.

1. Fill out required fields of Equipment Repair Order (NAVMC 10245).
2. Fill out required fields of Equipment Repair Order, Shopping

List (NAVMC 10925).

3. Fill out Inspection Tag (NAVMC 1018)

Performance Standard. Fill out the above listed forms with 100% accuracy.

Instructor. BI,SI

Prerequisite. 2050, 2091

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_

MMGT-2534 1.0 * B L

Goal. Identify the maintenance and service support sections within the Marine Logistics Group (MLG).

Requirement. Identify the following:

1. Maintenance Support
 - a. Repairable Issue Point (RIP)
 - b. Electronics Maintenance Company (ELMACO)
2. Service Support
 - a. Integrated Personnel Administrative Center (IPAC)
 - b. Sustenance
 - c. Medical/Dental
3. State the process to obtain their services.

Performance Standard. With the aid of reference, complete the requirement items by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI,SI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. 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

4.10.19 INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE

4.10.19.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

4.10.19.2 General

Prerequisites.

Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA A+ 220-801 and 220-802 exam objective. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA A+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

Crew Requirements. None

IAWFA-2600	1.0	*	B	E	L

Goal. Describe BIOS settings.

Requirement. Without the aid of reference, describe:

1. Firmware upgrades - flash BIOS
2. BIOS component information
 - a. RAM
 - b. Hard drive
 - c. Optical drive
 - d. CPU
3. BIOS configurations
 - a. Boot sequence
 - b. Enabling and disabling devices
 - c. Date/time
 - d. Clock speeds
 - e. Virtualization support
 - (1) BIOS security (passwords, drive encryption: TPM, lo-jack)
4. built-in diagnostics
5. monitoring

- a. Temperature monitoring
- b. Fan speeds
- c. Intrusion detection/notification
- d. Voltage
- e. Clock
- f. Bus speed

Performance Standard. Pass an examination with an 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2601	1.0	*	B	E	L

Goal. Differentiate between motherboard components, their purposes, and properties.

Requirement. Without the aid of reference, describe:

- 1. motherboard sizes
 - a. ATX
 - b. Micro-ATX
 - c. ITX
- 2. expansion slots
 - a. PCI
 - b. PCI-X
 - c. PCIe
 - d. miniPCI
 - e. CNR
 - f. AGP2x, 4x, 8x
- 3. RAM slots
- 4. CPU sockets
- 5. Chipsets
 - a. North Bridge
 - b. South Bridge
 - c. CMOS battery
- 6. Jumpers
- 7. Power connections and types
- 8. Fan connectors
- 9. Front panel connectors
 - a. USB
 - b. Audio
 - c. Power button
 - d. Power light
 - e. Drive activity lights
 - f. Reset button
- 10. Bus speeds

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2602	1.0	*	B	E	L

Goal. Compare RAM types and features.

Requirement. Without the aid of reference, describe:

1. Types of RAM
 - a. DDR
 - b. DDR2
 - c. DDR3
 - d. SDRAM
 - e. SODIMM
 - f. RAMBUS
 - g. DIMM
 - h. Parity vs. non-parity
 - i. ECC vs. non-ECC
 - j. RAM configurations
2. Single channel vs. dual channel vs. triple channel
 - a. Single sided vs. double sided
3. RAM compatibility and speed

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2603	1.0	*	B	E	L

Goal. Describe the configuration of expansion cards.

Requirement. Without the aid of reference, describe:

1. Sound cards

2. Video cards
3. Network cards
4. Serial and parallel cards
5. USB cards
6. Firewire cards
7. Storage cards
8. Modem cards
9. Wireless/cellular cards
10. TV tuner cards
11. Video capture cards
12. Riser cards

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2604	1.0	*	B	E	L

Goal. Describe configuration of storage devices and appropriate media.

Requirement. Without the aid of reference, describe:

1. Optical drives
 - a. CD-ROM
 - b. DVD-ROM
 - c. Blu-Ray
2. Combo drives and burners
 - a. CD-RW
 - b. DVD-RW
 - c. Dual Layer DVD-RW
 - d. BD-R
 - e. BD-RE
3. Connection types
 - a. External
 - (1) USB
 - (2) Firewire
 - (3) eSATA
 - (4) Ethernet
 - b. Internal SATA, IDE and SCSI
4. IDE configuration and setup (Master, Slave, Cable Select)
5. SCSI IDs (0 - 15)
 - a. Hot swappable drives
6. Hard drives
 - a. Magnetic
 - b. 5400 rpm
 - c. 7200 rpm

- d. 10,000 rpm
- e. 15,000 rpm
- 7. Solid state/flash drives
 - a. Compact flash
 - b. SD
 - c. Micro-SD
 - d. Mini-SD
 - e. xD
 - f. SSD
- 8. RAID types
 - a. 0
 - b. 1
 - c. 5
 - d. 10
- 9. Floppy drive
- 10. Tape drive
- 11. Media capacity
 - a. CD
 - b. CD-RW
 - c. DVD-RW
 - d. DVD
 - e. Blu-Ray
 - f. Tape
 - g. Floppy
 - h. DL DVD

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2605	1.0	*	B	E	L

Goal. Differentiate among various CPU types and features and the appropriate cooling method.

Requirement. Without the aid of reference, describe:

- 1. Socket types
 - a. Intel: LGA, 775, 1155, 1156, 1366
 - b. AMD: 940, AM2, AM2+, AM3, AM3+, FM1, F
- 2. Characteristics
 - a. Speeds
 - b. Cores
 - c. Cache size/type
 - d. Hyperthreading
 - e. Virtualization support
 - f. Architecture (32-bit vs. 64-bit)

- g. Integrated GPU
- 3. Cooling
 - a. Heat sink
 - b. Fans
 - c. Thermal paste
 - d. Liquid-based

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2606	1.0	*	B	E	L

Goal. Compare the purpose of various connection interfaces.

Requirement. Without the aid of reference, describe:

- 1. Physical connections
 - a. USB 1.1 vs. 2.0 vs. 3.0 speed and distance characteristic
 - (1) Connector types: A, B, mini, micro
 - b. Firewire 400 vs. Firewire 800 speed and distance characteristics
 - c. SATA1 vs. SATA2 vs. SATA3, eSATA, IDE speeds
 - d. Other connector types
 - (1) Serial
 - (2) Parallel
 - (3) VGA
 - (4) HDMI
 - (5) DVI
 - (6) Audio
 - (7) RJ-45
 - (8) RJ-11
 - e. Analog vs. digital transmission
 - (1) VGA vs. HDMI
- 2. Speeds, distances and frequencies of wireless device connections
 - a. Bluetooth
 - b. IR
 - c. RF

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2607	1.0	*	B	E	L

Goal. Identify the appropriate power supply based on a given scenario.

Requirement. Without the aid of reference, describe:

1. Connector types and their voltages
 - a. SATA
 - b. Molex
 - (1) 4/8-pin 12v
 - (2) PCIe 6/8-pin
 - (3) 20-pin
 - (4) 24-pin
 - (5) Floppy
2. Specifications
 - a. Wattage
 - b. Size
 - c. Number of connectors
 - d. ATX
 - e. Micro-ATX
3. Dual voltage options

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2608	1.0	*	B	E	L

Goal. Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs.

Requirement. Without the aid of reference, describe:

1. Graphic / CAD / CAM design workstation
 - a. Powerful processor
 - b. High-end video
 - c. Maximum RAM

2. Audio/Video editing workstation
 - a. Specialized audio and video card
 - b. Large fast hard drive
 - c. Dual monitors
3. Virtualization workstation
 - a. Maximum RAM and CPU cores
4. Gaming PC
 - a. Powerful processor
 - b. High-end video/specialized GPU
 - c. Better sound card
 - d. High-end cooling
5. Home Theater PC
 - a. Surround sound audio
 - b. HDMI output
 - c. HTPC compact form factor
 - d. TV tuner
6. Standard thick client
 - a. Desktop applications
 - b. Meets recommended requirements for running Windows
7. Thin client
 - a. Basic applications
 - b. Meets minimum requirements for running Windows
8. Home Server PC
 1. Media streaming
 2. File sharing
 3. Print sharing
 4. Gigabit NIC
 5. RAID array

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2609	1.0	*	B	E	L

Goal. Given a scenario, evaluate types and features of display devices.

Requirement. Without the aid of reference, describe:

1. Types of displays
 - a. CRT
 - b. LCD
 - c. LED
 - d. Plasma
 - e. Projector

- f. OLED
- 2. Refresh rates
- 3. Resolution
- 4. Native resolution
- 5. Brightness/lumens
- 6. Analog vs. digital
- 7. Privacy/antiglare filters
- 8. Multiple displays

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2610	1.0	*	B	E	L

Goal. Identify connector types and associated cables.

Requirement. Without the aid of reference, describe:

- 1. Display connector types
 - a. DVI-D
 - b. DVI-I
 - c. DVI-A
 - d. Display port
 - e. RCA
 - f. DB-15
 - g. BNC
 - h. miniHDMI
 - i. RJ-45
 - j. miniDin-6
- 2. Display cable types
 - a. HDMI
 - b. DVI
 - c. VGA
 - d. Component
 - e. Composite
 - f. S-video
 - g. RGB
 - h. Coaxial
 - i. Ethernet
- 3. Device connectors and pin arrangements
 - a. SATA
 - b. eSATA
 - c. PATA
 - (1) IDE
 - (2) EIDE
 - d. Floppy

- e. USB
- f. IEEE1394
- g. SCSI
- h. PS/2
- i. Parallel
- j. Serial
- k. Audio
- l. RJ-45
- 4. Device cable types
 - a. SATA
 - b. eSATA
 - c. IDE
 - d. EIDE
 - e. Floppy
 - f. USB
 - g. IEEE1394
 - h. SCSI
 - (1) 68pin vs. 50pin vs. 25pin
 - i. Parallel
 - j. Serial
 - k. Ethernet
 - l. Phone

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2611	1.0	*	B	E	L

Goal. Describe the configuration of various peripheral devices.

Requirement. Without the aid of reference, describe:

- 1. Input devices
 - a. Mouse
 - b. Keyboard
 - c. Touch screen
 - d. Scanner
 - e. Barcode reader
 - f. KVM
 - g. Microphone
 - h. Biometric devices
 - i. Game pads
 - j. Joysticks
 - k. Digitizer
- 2. Multimedia devices
 - a. Digital cameras

- b. Microphone
- c. Webcam
- d. Camcorder
- e. MIDI enabled devices
- 3. Output devices
 - a. Printers
 - b. Speakers
 - c. Display devices

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2612	1.0	*	B	E	L

Goal. Identify types of network cables and connectors.

Requirement. Without the aid of reference, describe:

- 1. Fiber
 - a. Connectors: SC, ST and LC
- 2. Twisted Pair
 - a. Connectors: RJ-11, RJ-45
 - b. Wiring standards: T568A, T568B
- 3. Coaxial
 - a. Connectors: BNC, F-connector

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2613	1.0	*	B	E	L

Goal. Categorize characteristics of connectors and cabling.

Requirement. Without the aid of reference, describe:

1. Fiber
 - a. Types (single-mode vs. multi-mode)
 - b. Speed and transmission limitations
2. Twisted pair
 - a. Types: STP, UTP, CAT3, CAT5, CAT5e, CAT6, plenum, PVC
 - b. Speed and transmission limitations
3. Coaxial
 - a. Types: RG-6, RG-59
 - b. Speed and transmission limitations

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2614	1.0	*	B	E	L

Goal. Explain characteristics of TCP/IP.

Requirement. Without the aid of reference, describe:

1. IP class
 - a. Class A
 - b. Class B
 - c. Class C
2. IPv4 vs. IPv6
3. Public vs. private vs. APIPA
4. Static vs. dynamic
5. Client-side DNS
6. DHCP
7. Subnet mask
8. Gateway

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2615 1.0 * B E L

Goal. Explain common TCP and UDP ports, protocols, and their purpose.

Requirement. Without the aid of reference, describe:

1. Ports
 - a. 21 - FTP
 - b. 23 - TELNET
 - c. 25 - SMTP
 - d. 53 - DNS
 - e. 80 - HTTP
 - f. 110 - POP3
 - g. 143 - IMAP
 - h. 443 - HTTPS
 - i. 3389 - RDP
2. Protocols
 - a. DHCP
 - b. DNS
 - c. LDAP
 - d. SNMP
 - e. SMB
 - f. SSH
 - g. SFTP
3. TCP vs. UDP

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2616 1.0 * B E L

Goal. Compare wireless networking standards and encryption types.

Requirement. Without the aid of reference, describe:

1. Standards
 - a. 802.11 a/b/g/n
 - b. Speeds, distances and frequencies
2. Encryption types
 - a. WEP, WPA, WPA2, TKIP, AES

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2617 1.0 * B E L

Goal. Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings.

Requirement. Without the aid of reference, describe:

1. MAC filtering
2. Channels (1 - 11)
3. Port forwarding, port triggering
4. SSID broadcast (on/off)
5. Wireless encryption
6. Firewall
7. DHCP (on/off)
8. DMZ
9. NAT
10. WPS
11. Basic QoS

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2618 1 * B E L

Goal. Compare Internet connection types and features.

Requirement. Without the aid of reference, describe:

1. Cable
2. DSL
3. Dial-up
4. Fiber
5. Satellite
6. ISDN
7. Cellular (mobile hotspot)
8. Line of sight wireless internet service
9. WiMAX

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFA-2619	1	*	B	E	L

Goal. Identify various types of networks.

Requirement. Without the aid of reference, describe:

1. LAN
2. WAN
3. PAN
4. MAN
5. Topologies
 - a. Mesh
 - b. Ring
 - c. Bus
 - d. Star
 - e. Hybrid

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

Reference.

1.

IAWFA-2622	1	*	B	E	L

Goal. Describe the configuration of laptop hardware components.

Requirement. Without the aid of reference, describe:

1. Expansion options
 - a. Express card /34
 - b. Express card /54
 - c. PCMCIA
 - d. SODIMM
 - e. Flash
2. Hardware/device replacement
 - a. Keyboard
 - b. Hard Drive (2.5 vs. 3.5)
 - c. Memory
 - d. Optical drive
 - e. Wireless card
 - f. Mini-PCie
 - g. screen
 - h. DC jack
 - i. Battery
 - j. Touchpad
 - k. Plastics
 - l. Speaker
 - m. System board
 - n. CPU

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2623	1	*	B	E	L

Goal. Compare the components within the display of a laptop.

Requirement. Without the aid of reference, describe:

1. Types of laptop displays
 - a. LCD
 - b. LED
 - c. OLED

- d. Plasma
2. Wi-Fi antenna connector/placement
3. Inverter and its function
4. Backlight

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFA-2624	1	*	B	E	L

Goal. Compare laptop features.

Requirement. Without the aid of reference, describe:

1. Special function keys
 - a. Dual displays
 - b. Wireless (on/off)
 - c. Volume settings
 - d. Screen brightness
 - e. Bluetooth (on/off)
 - f. Keyboard backlight
2. Docking station vs. port replicator
3. Physical laptop lock and cable lock

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFA-2625	1	*	B	E	L

Goal. Explain the differences between the various printer types and imaging process.

Requirement. Without the aid of reference, describe:

1. Laser
 - a. Imaging drum, fuser assembly, transfer belt, transfer roller, pickup rollers, separate pads, duplexing assembly
 - b. Imaging process: processing, charging, exposing, developing, transferring, fusing and cleaning
2. Inkjet
 - a. Ink cartridge, print head, roller, feeder, duplexing assembly, carriage and belt
 - b. Calibration
3. Thermal
 - a. Feed assembly, heating element
 - b. Special thermal paper
4. Impact
 - a. Print head, ribbon, tractor feed
 - b. Impact paper

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2626	1	*	B	E	L

Goal. Describe the configuration of printers.

Requirement. Without the aid of reference, describe:

1. Use appropriate printer drivers for a given operating system
2. Print device sharing
 - a. Wired
3. USB
4. Parallel
5. Serial
6. Ethernet
 - a. Wireless
7. Bluetooth
8. 802.11x
9. Infrared (IR)
 - a. Printer hardware print server
10. Printer sharing
 - a. Sharing local/networked printer via Operating System settings

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2627	1	*	B	E	L

Goal. Describe how to perform printer maintenance.

Requirement. Without the aid of reference, describe:

1. Laser
 - a. Replacing toner, applying maintenance kit, calibration, cleaning
2. Thermal
 - a. Replace paper, clean heating element, remove debris
3. Impact
 - a. Replace ribbon, replace print head, replace paper

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2628	1	*	B	E	L

Goal. Describe the appropriate safety procedures.

Requirement. Without the aid of reference, describe:

1. ESD straps
2. ESD mats
3. Self-grounding
4. Equipment grounding
5. Personal safety
 - a. Disconnect power before repairing PC
 - b. Remove jewelry
 - c. Lifting techniques
 - d. Weight limitations
 - e. Electrical fire safety
 - f. CRT safety - proper disposal
 - g. Cable management

6. Compliance with local government regulations

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2629	1	*	B	E	L

Goal. Explain environmental impacts and the purpose of environmental controls.

Requirement. Without the aid of reference, describe:

1. MSDS documentation for handling and disposal
2. Temperature, humidity level awareness and proper ventilation
3. Power surges, brownouts, blackouts
 - a. Battery backup
 - b. Surge suppressor
4. Protection from airborne particles
 - a. Enclosures
 - b. Air filters
5. Dust and debris
 - a. Compressed air
 - b. Vacuums
6. Component handling and protection
 - a. Antistatic bags
7. Compliance to local government regulations

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2630	1	*	B	E	L

Goal. Describe proper communication and professionalism.

Requirement. Without the aid of reference, describe:

1. Use proper language - avoid jargon, acronyms, slang when applicable
2. Maintain a positive attitude
3. Listen and do not interrupt the customer
4. Be culturally sensitive
5. Be on time (if late contact the customer)
6. Avoid distractions
 - a. Personal calls
 - b. Talking to co-workers while interacting with customers
 - c. Personal interruptions
7. Dealing with difficult customer or situation
 - a. Avoid arguing with customers and/or being defensive
 - b. Do not minimize customer's problems
 - c. Avoid being judgmental
 - d. Clarify customer statements (ask open ended questions to narrow the scope of the problem, restate the issue or question to verify understanding)
8. Set and meet expectations/timeline and communicate status with the customer
 - a. Offer different repair/replacement options if applicable
 - b. Provide proper documentation on the services provided
 - c. Follow up with customer/user at a later date to verify
9. Deal appropriately with customers confidential materials
 - a. Located on a computer, desktop, printer, etc

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2631	1	*	B	E	L

Goal. Explain the fundamentals of dealing with prohibited content/activity.

Requirement. Without the aid of reference, describe:

1. First response
 - a. Identify
 - b. Report through proper channels
 - c. Data/device preservation
2. Use of documentation/documentation changes
3. Chain of custody
 - a. Tracking of evidence/documenting process

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2632	1	*	B	E	L

Goal. Compare the features and requirements of various Microsoft Operating Systems.

Requirement. Without the aid of reference, describe:

1. Windows XP Home, Windows XP Professional, Windows XP Media Center, Windows XP 64-bit Professional
2. Windows Vista Home Basic, Windows Vista Home Premium, Windows Vista Business, Windows Vista Ultimate, Windows Vista Enterprise
3. Windows 7 Starter, Windows 7 Home Premium, Windows 7 Professional, Windows 7 Ultimate, Windows 7 Enterprise
4. Features:
 - a. 32-bit vs. 64-bit
 - b. Aero, gadgets, user account control, bit-locker, shadow copy, system restore, ready boost, sidebar, compatibility mode, XP mode, easy transfer, administrative tools, defender, Windows firewall, security center, event viewer, file structure and paths, category view vs. classic view
5. Upgrade paths - differences between in place upgrades, compatibility tools, Windows upgrade OS advisor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2633	1	*	B	E	L

Goal. Describe the configuration of the operating system using the most appropriate method.

Requirement. Without the aid of reference, describe:

1. Boot methods
 - a. USB
 - b. CD-ROM
 - c. DVD
 - d. PXE
2. Type of installations
 - a. Creating image
 - b. Unattended installation
 - c. Upgrade
 - d. Clean install
 - e. Repair installation
 - f. Multiboot
 - g. Remote network installation
 - h. Image deployment
3. Partitioning
 - a. Dynamic
 - b. Basic
 - c. Primary
 - d. Extended
 - e. Logical
4. File system types/formatting
 - a. FAT
 - b. FAT32
 - c. NTFS
 - d. CDFS
 - e. Quick format vs. full format
5. Load alternate third party drivers when necessary
6. Workgroup vs. Domain setup
7. Time/date/region/language settings
8. Driver installation, software and windows updates
9. Factory recovery partition

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2634	1	*	B	E	L

Goal. Describe appropriate command line tools.

Requirement. Without the aid of reference, describe:

1. Networking
 - a. PING
 - b. TRACERT
 - c. NETSTAT
 - d. IPCONFIG
 - e. NET
 - f. NSLOOKUP
 - g. NBTSTAT
2. Operating System
 - a. KILL
 - b. BOOTREC
 - c. SHUTDOWN
 - d. TLIST
 - e. MD
 - f. RD
 - g. CD
 - h. DEL
 - i. FDISK
 - j. FORMAT
 - k. COPY
 - l. XCOPY
 - m. ROBOCOPY
 - n. DISKPART
 - o. SFC
 - p. CHKDSK
 - q. [command name] /?
3. Recovery console
 - a. Fixboot
 - b. Fixmbr

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2635	1	*	B	E	L

Goal. Use appropriate operating system features and tools.

Requirement. Without the aid of reference, describe:

1. Administrative
 - a. Computer management
 - b. Device manager
 - c. Users and groups
 - d. Local security policy

- e. Performance monitor
- f. Services
- g. System configuration
- h. Task scheduler
- i. Component services
- j. Data sources
- k. Print management
- l. Windows memory diagnostics
- m. Windows firewall
- n. Advanced security
- 2. MSCONFIG
 - a. General
 - b. Boot
 - c. Services
 - d. Startup
 - e. Tools
- 3. Task Manager
 - a. Applications
 - b. Processes
 - c. Performance
 - d. Networking
 - e. Users
- 4. Disk management
 - a. Drive status
 - b. Mounting
 - c. Extending partitions
 - d. Splitting partitions
 - e. Assigning drive letters
 - f. Adding drives
 - g. Adding arrays
- 5. Other
 - a. User State Migration tool (USMT), File and Settings Transfer Wizard, Windows Easy Transfer
- 6. Run line utilities
 - a. MSCONFIG
 - b. REGEDIT
 - c. CMD
 - d. SERVICES.MSC
 - e. MMC
 - f. MSTSC
 - g. NOTEPAD
 - h. EXPLORER
 - i. MSINFO32
 - j. DXDIAG

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2636	1	*	B	E	L

Goal. Use Control Panel utilities (the items are organized by "classic view/large icons" in Windows).

Requirement. Without the aid of reference, describe:

1. Common to all Microsoft Operating Systems
 - a. Internet options
 - (1) Connections
 - (2) Security
 - (3) General
 - (4) Privacy
 - (5) Programs
 - (6) Advanced
 - b. Display
 - (1) Resolution
 - c. User accounts
 - d. Folder options
 - (1) Sharing
 - (2) View hidden files
 - (3) Hide extensions
 - (4) Layout
 - e. System
 - (1) Performance (virtual memory)
 - (2) Hardware profiles
 - (3) Remote settings
 - (4) System protection
 - f. Security center
 - g. Windows firewall
 - h. Power options
 - (1) Hibernate
 - (2) Power plans
 - (3) Sleep/suspend
 - (4) Standby
2. Unique to Windows XP
 - a. Add/remove programs
 - b. Network connections
 - c. Printers and faxes
 - d. Automatic updates
 - e. Network setup wizard
3. Unique to Vista
 - a. Tablet PC settings
 - b. Pen and input devices
 - c. Offline files
 - d. Problem reports and solutions
 - e. Printers
4. Unique to Windows 7
 - a. HomeGroup
 - b. Action center
 - c. Remote applications and desktop applications
 - d. Troubleshooting

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite: None

Ordinance Requirement: None

Range/Target Requirement: None

External Syllabus Support: None

Reference:

1.

IAWFA-2637	1	*	B	E	L

Goal: Configure Windows networking on a client/desktop.

Requirement: Without the aid of reference, describe:

1. HomeGroup, file/print sharing
2. WorkGroup vs. domain setup
3. Network shares/mapping drives
4. Establish networking connections
 - a. VPN
 - b. Dialups
 - c. Wireless
 - d. Wired
 - e. WWAN (Cellular)
5. Proxy settings
6. Remote desktop
7. Home vs. Work vs. Public network settings
8. Firewall settings
 - a. Exceptions
 - b. Configuration
 - c. Enabling/disabling Windows firewall
9. Configuring an alternative IP address in Windows
 - a. IP addressing
 - b. Subnet mask
 - c. DNS
 - d. Gateway
10. Network card properties
 - a. Half duplex/full duplex/auto
 - b. Speed
 - c. Wake-on-LAN
 - d. PoE
 - e. QoS

Performance Standard: Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite: None

Ordinance Requirement: None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2638	1	*	B	E	L

Goal. Perform preventive maintenance procedures using appropriate tools.

Requirement. Without the aid of reference, describe:

1. Best practices
 - a. Schedules backups
 - b. Scheduled check disks
 - c. Scheduled defragmentation
 - d. Windows updates
 - e. Patch management
 - f. Driver/firmware updates
 - g. Antivirus updates
2. Tools
 - a. Backup
 - b. System restore
 - c. Check disk
 - d. Recovery image
 - e. Defrag

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2639	1	*	B	E	L

Goal. Explain the differences among basic OS security settings.

Requirement. Without the aid of reference, describe:

1. User and groups
 - a. Administrator
 - b. Power user
 - c. Guest
 - d. Standard user
2. NTFS vs. Share permissions
 - a. Allow vs. deny

- b. Moving vs. copying folders and files
- c. File attributes
- 3. Shared files and folders
 - a. Administrative shares vs. local shares
 - b. Permission propagation
 - c. Inheritance
- 4. System files and folders
- 5. User authentication
 - a. Single sign-on

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2640	1	*	B	E	L

Goal. Explain the basics of client-side virtualization.

Requirement. Without the aid of reference, describe:

- 1. Purpose of virtual machines
- 2. Resource requirements
- 3. Emulator requirements
- 4. Security requirements
- 5. Network requirements
- 6. Hypervisor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2641	1	*	B	E	L

Goal. Apply and use common prevention methods.

Requirement. Without the aid of reference, describe:

1. Physical security
 - a. Lock doors
 - b. Tailgating
 - c. Securing physical documents/passwords/shredding
 - d. Biometrics
 - e. Badges
 - f. Key fobs
 - g. RFID badge
 - h. RSA token
 - i. Privacy filters
 - j. Retinal
2. Digital security
 - a. Antivirus
 - b. Firewalls
 - c. Antispyware
 - d. User authentication/strong passwords
 - e. Directory permissions
3. User education
4. Principle of least privilege

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2642	1	*	B	E	L

Goal. Compare common security threats.

Requirement. Without the aid of reference, describe:

1. Social engineering
2. Malware
3. Rootkits
4. Phishing
5. Shoulder surfing
6. Spyware
7. Viruses
 - a. Worms
 - b. Trojans

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2643	1	*	B	E	L

Goal. Implement security best practices to secure a workstation.

Requirement. Without the aid of reference, describe:

1. Setting strong passwords
2. Requiring passwords
3. Restricting user permissions
4. Changing default user names
5. Disabling guest account
6. Screensaver required password
7. Disable autorun

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2644	1	*	B	E	L

Goal. Use the appropriate data destruction/disposal method.

Requirement. Without the aid of reference, describe:

1. Low level format vs. standard format
2. Hard drive sanitation and sanitation methods
 - a. Overwrite
 - b. Drive wipe
3. Physical destruction
 - a. Shredder
 - b. Drill
 - c. Electromagnetic
 - d. Degaussing tool

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2645	1	*	B	E	L

Goal. Secure a SOHO wireless network.

Requirement. Without the aid of reference, describe:

1. Change default user-names and passwords
2. Changing SSID
3. Setting encryption
4. Disabling SSID broadcast
5. Enable MAC filtering
6. Antenna and access point placement
7. Radio power levels
8. Assign static IP addresses

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2646	1	*	B	E	L

Goal. Secure a SOHO wired network.

Requirement. Without the aid of reference, describe:

1. Change default usernames and passwords
2. Enable MAC filtering
3. Assign static IP addresses
4. Disabling ports
5. Physical security

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2647	1	*	B	E	L

Goal. Explain the basic features of mobile operating systems.

Requirement. Without the aid of reference, describe:

1. Android vs. iOS
 - a. Open source vs. closed source/vendor specific
 - b. App source (app store and market)
 - c. Screen orientation (accelerometer/gyroscope)
 - d. Screen calibration
 - e. GPS and geotracking

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2648	1	*	B	E	L

Goal. Establish basic network connectivity and configure email.

Requirement. Without the aid of reference, describe:

1. Wireless / cellular data network (enable/disable)
2. Bluetooth
 - a. Enable Bluetooth
 - b. Enable pairing
 - c. Find device for pairing
 - d. Enter appropriate pin code
 - e. Test connectivity
3. Email configuration
 - a. Server address
4. POP3
5. IMAP
6. Port and SSL settings
 - a. Exchange
 - b. Gmail

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2649	1	*	B	E	L

Goal. Compare methods for securing mobile devices.

Requirement. Without the aid of reference, describe:

1. Passcode locks
2. Remote wipes
3. Locator applications
4. Remote backup applications
5. Failed login attempts restrictions
6. Antivirus
7. Patching/OS updates

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2650	1	*	B	E	L

Goal. Compare hardware differences in regards to tablets and laptops.

Requirement. Without the aid of reference, describe:

1. No field serviceable parts
2. Typically not upgradeable
3. Touch interface
 - a. Touch flow
 - b. Multitouch
4. Solid state drives

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2651	1	*	B	E	L

Goal. Execute and configure mobile device synchronization.

Requirement. Without the aid of reference, describe:

1. Types of data to synchronize
 - a. Contacts
 - b. Programs
 - c. Email
 - d. Pictures
 - e. Music
 - f. Videos
2. Software requirements to install the application on the PC
3. Connection types to enable synchronization

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2652	1	*	B	E	L

Goal. Explain the troubleshooting theory.

Requirement. Without the aid of reference, describe:

1. Identify the problem
 - a. Question the user and identify user changes to computer and perform backups before making changes
2. Establish a theory of probable cause (question the obvious)
3. Test the theory to determine cause
 - a. Once theory is confirmed determine next steps to resolve problem

- b. If theory is not confirmed re-establish new theory or escalate
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 a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2653	1	*	B	E	L

Goal. Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. Unexpected shutdowns
 - b. System lockups
 - c. POST code beeps
 - d. Blank screen on bootup
 - e. BIOS time and settings resets
 - f. Attempts to boot to incorrect device
 - g. Continuous reboots
 - h. No power
 - i. Overheating
 - j. Loud noise
 - k. Intermittent device failure
 - l. Fans spin - no power to other devices
 - m. Indicator lights
 - n. Smoke
 - o. Burning smell
 - p. BSOD
2. Tools
 - a. Multimeter
 - b. Power supply tester
 - c. Loopback plugs
 - d. POST card

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2654	1	*	B	E	L

Goal. Troubleshoot hard drives and RAID arrays with appropriate tools.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. Read/write failure
 - b. Slow performance
 - c. Loud clicking noise
 - d. Failure to boot
 - e. Drive not recognized
 - f. OS not found
 - g. RAID not found
 - h. RAID stops working
 - i. BSOD
2. Tools
 - a. Screwdriver
 - b. External enclosures
 - c. CHKDSK
 - d. FORMAT
 - e. FDISK
 - f. File recovery software

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2655	1	*	B	E	L

Goal. Troubleshoot common video and display issues.

Requirement. Without the aid of reference, describe:

1. Common symptoms

- a. VGA mode
- b. No image on screen
- c. Overheat shutdown
- d. Dead pixels
- e. Artifacts
- f. Color patterns incorrect
- g. Dim image
- h. Flickering image
- i. Distorted image
- j. Discoloration (degaussing)
- k. BSOD

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2656	1	*	B	E	L

Goal. Troubleshoot wired and wireless networks with appropriate tools.

Requirement. Without the aid of reference, describe:

- 1. Common symptoms
 - a. No connectivity
 - b. APIPA address
 - c. Limited connectivity
 - d. Local connectivity
 - e. Intermittent connectivity
 - f. IP conflict
 - g. Slow transfer speeds
 - h. Low RF signal
- 2. Tools
 - a. Cable tester
 - b. Loopback plug
 - c. Punch down tools
 - d. Toner probes
 - e. Wire strippers
 - f. Crimper
 - g. PING
 - h. IPCONFIG
 - i. TRACERT
 - j. NETSTAT
 - k. NBTSTAT
 - l. NET
 - m. Wireless locator

- n. Emergency repair disk
- o. Automated system recovery

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2658	1	*	B	E	L

Goal. Troubleshoot common security issues with appropriate tools and best practices.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. Pop-ups
 - b. Browser redirection
 - c. Security alerts
 - d. Slow performance
 - e. Internet connectivity issues
 - f. PC locks up
 - g. Windows updates failures
 - h. Rogue antivirus
 - i. Spam
 - j. Renamed system files
 - k. Files disappearing
 - l. File permission changes
 - m. Hijacked email
 - n. Access denied
2. Tools
 - a. Anti-virus software
 - b. Anti-malware software
 - c. Anti-spyware software
 - d. Recovery console
 - e. System restore
 - f. Pre-installation environments
 - g. Event viewer
3. Best practices for malware removal
 - a. Identify malware symptoms
 - b. Quarantine infected system
 - c. Disable system restore
 - d. Remediate infected systems
4. Update anti-virus software
5. Scan and removal techniques (safe mode, pre-installation environment)
 - a. Schedule scans and updates

- b. Enable system restore and create restore point
- c. Educate end user

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2659	1	*	B	E	L

Goal. Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. No display
 - b. Dim display
 - c. Flickering display
 - d. Sticking keys
 - e. Intermittent wireless
 - f. Battery not charging
 - g. Ghost cursor
 - h. No power
 - i. Num lock indicator lights
 - j. No wireless connectivity
 - k. No Bluetooth connectivity
 - l. Cannot display to external monitor
2. Disassembling processes for proper re-assembly
 - a. Document and label cable and screw locations
 - b. Organize parts
 - c. Refer to manufacturer documentation
 - d. Use appropriate hand tools

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-2660 1 * B E L

Goal. Troubleshoot printers with appropriate tools

Requirement. Without the aid of reference, describe:

1. Common symptoms
 - a. Streaks
 - b. Faded prints
 - c. Ghost images
 - d. Toner not fused to the paper
 - e. Creased paper
 - f. Paper not feeding
 - g. Paper jam
 - h. No connectivity
 - i. Garbled characters on paper
 - j. Vertical lines on page
 - k. Backed up print queue
 - l. Low memory errors
 - m. Access denied
 - n. Printer will not print
 - o. Color prints in wrong print color
 - p. Unable to install printer
 - q. Error codes
2. Tools
 - a. Maintenance kit
 - b. Toner vacuum
 - c. Compressed air
 - d. Printer spooler

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current A+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

4.10.20 INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE

4.10.20.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

4.10.20.2 General

4.10.20.2.1 Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objectives. Test objectives are

updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

4.10.20.2.2 Crew Requirements. None

IAWFN-2700	2	*	B	E	L

Goal. Compare the layers of the OSI and TCP/IP models.

Requirement. Without the aid of reference, compare:

1. OSI model:
 - a. Layer 1 - Physical
 - b. Layer 2 - Data link
 - c. Layer 3 - Network
 - d. Layer 4 - Transport
 - e. Layer 5 - Session
 - f. Layer 6 - Presentation
 - g. Layer 7 - Application
2. TCP/IP model:
 - a. Network Interface Layer
 - b. Internet Layer
 - c. Transport Layer
 - d. Application Layer

(Also described as: Link Layer, Internet Layer, Transport Layer, Application Layer)

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2701	2	*	B	E	L

Goal. Describe how applications, devices, and protocols relate to the OSI model layers.

Requirement. Without the aid of reference, describe:

1. MAC address

2. IP address
3. EUI-64
4. Frames
5. Packets
6. Switch
7. Router
8. Multilayer switch
9. Hub
10. Encryption devices
11. Cable
12. NIC
13. Bridge

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2702	2	*	B	E	L

Goal. Explain the purpose and properties of IP addressing.

Requirement. Without the aid of reference, explain:

1. Classes of addresses
 - a. A, B, C and D
 - b. Public vs. Private
2. Classless (CIDR)
3. IPv4 vs. IPv6 (formatting)
4. MAC address format
5. Subnetting
6. Multicast vs. unicast vs. broadcast
7. APIPA

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

Requirement. Without the aid of reference, explain:

- Performance Standard. Pass an examination with an 80% accuracy.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- IAWFN-2704 2 * B E L

Requirement. Without the aid of reference, identify:

- Enclosure (1)

8. SSH - 22
9. DNS - 53
10. DHCP - 67, 68

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2705	2	*	B	E	L

Goal. Explain the function of common networking protocols.

Requirement. Without the aid of reference, explain:

1. TCP
2. FTP
3. UDP
4. TCP/IP suite
5. DHCP
6. TFTP
7. DNS
8. HTTPS
9. HTTP
10. ARP
11. SIP (VoIP)
12. RTP (VoIP)
13. SSH
14. POP3
15. NTP
16. IMAP4
17. Telnet
18. SMTP
19. SNMP2/3
20. ICMP
21. IGMP
22. TLS

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2706	2	*	B	E	L

Goal. Summarize DNS concepts and its components.

Requirement. Without the aid of reference, summarize:

1. DNS servers
2. DNS records (A, MX, AAAA, CNAME, PTR)
3. Dynamic DNS

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2707	2	*	B	E	L

Goal. Implement network troubleshooting methodology.

Requirement. Without the aid of reference, complete the requirements:

1. Identify the problem:
 - a. Information gathering
 - b. Identify symptoms
 - c. Question users
 - d. Determine if anything has changed
2. Establish a theory of probable cause
 - a. Question the obvious
3. Test the theory to determine cause:
 - a. Once theory is confirmed determine next steps to resolve problem.
 - b. If theory is not confirmed, re-establish new theory or escalate.
4. Establish a plan of action to resolve the problem and identify potential effects
5. Implement the solution or escalate as necessary

6. Verify full system functionality and if applicable implement preventative measures
7. Document findings, actions and outcomes

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2708	2	*	B	E	L

Goal. Identify virtual network components.

Requirement. Without the aid of reference, identify:

1. Virtual switches
2. Virtual desktops
3. Virtual servers
4. Virtual PBX
5. Onsite vs. offsite
6. Network as a Service (NaaS)

Performance Standard. Pass an examination with an 80% accuracy.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2709	2	*	B	E	L

Goal. Install and configure routers and switches.

Requirement. Without the aid of reference, describe:

1. Routing tables
2. NAT
3. PAT
4. VLAN (trunking)

5. Managed vs. unmanaged
6. Interface configurations
 - a. Full duplex
 - b. Half duplex
 - c. Port speeds
 - d. IP addressing
 - e. MAC filtering
7. PoE
8. Traffic filtering
9. Diagnostics
10. VTP configuration
11. QoS
12. Port mirroring

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2710	2	*	B	E	L

Goal. Install and configure a wireless network.

Requirement. Without the aid of reference, describe:

1. WAP placement
2. Antenna types
3. Interference
4. Frequencies
5. Channels
6. Wireless standards
7. SSID (enable/disable)
8. Compatibility (802.11 a/b/g/n)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2711	2	*	B	E	L

Goal. Explain the purpose and properties of DHCP.

Requirement. Without the aid of reference, explain:

1. Static vs. dynamic IP addressing
2. Reservations
3. Scopes
4. Leases
5. Options (DNS servers, suffixes)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2712	2	*	B	E	L

Goal. Troubleshoot common wireless problems.

Requirement. Without the aid of reference, describe:

1. Interference
2. Signal strength
3. Configurations
4. Incompatibilities
5. Incorrect channel
6. Latency
7. Encryption type
8. Bounce
9. SSID mismatch
10. Incorrect switch placement

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2713	2	*	B	E	L

Goal. Troubleshoot common router and switch problems.

Requirement. Without the aid of reference, describe:

1. Switching loop
2. Bad cables/improper cable types
3. Port configuration
4. VLAN assignment
5. Mismatched MTU/MUT black hole
6. Power failure
7. Bad/missing routes
8. Bad modules (SFPs, GBICs)
9. Wrong subnet mask
10. Wrong gateway
11. Duplicate IP address
12. Wrong DNS

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2714	2	*	B	E	L

Goal. Implement a basic SOHO network.

Requirement. Without the aid of reference, describe:

1. List of requirements
2. Cable length
3. Device types/requirements
4. Environment limitations
5. Equipment limitations
6. Compatibility requirements

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2715	2	*	B	E	L

Goal. Categorize standard media types and associated properties.

Requirement. Without the aid of reference, describe:

1. Fiber:
 - a. Multimode
 - b. Singlemode
2. Copper:
 - a. UTP
 - b. STP
 - c. CAT3
 - d. CAT5
 - e. CAT5e
 - f. CAT6
 - g. CAT6a
 - h. Coaxial
 - i. Crossover
 - j. T1 Crossover
 - k. Straight-through
3. Plenum vs. non-plenum
4. Media converters:
 - a. Singlemode fiber to Ethernet
 - b. Multimode fiber to Ethernet
 - c. Fiber to Coaxial
 - d. Singlemode to multimode fiber
5. Distance limitations and speed limitations
6. Broadband over powerline

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2716 2 * B E L

Goal. Categorize standard connector types based on network media.

Requirement. Without the aid of reference, describe:

1. Fiber:
 - a. ST
 - b. SC
 - c. LC
 - d. MTRJ
2. Copper:
 - a. RJ-45
 - b. RJ-11
 - c. BNC
 - d. F-connector
 - e. DB-9 (RS-232)
 - f. Patch panel
 - g. 110 block (T568A, T568B)

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2717 2 * B E L

Goal. Compare different wireless standards.

Requirement. Without the aid of reference, describe:

1. 802.11 a/b/g/n standards
 - a. Distance
 - b. Speed
 - c. Latency
 - d. Frequency
 - e. Channels
 - f. MIMO
 - g. Channel bonding

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2718	2	*	B	E	L

Goal. Categorize WAN technology types and properties.

Requirement. Without the aid of reference, describe:

1. Types:

- a. T1/E1
- b. T3/E3
- c. DS3
- d. OCx
- e. SONET
- f. SDH
- g. DWDM
- h. Satellite
- i. ISDN
- j. Cable
- k. DSL
- l. Cellular
- m. WiMAX
- n. LTE
- o. HSPA+
- p. Fiber
- q. Dialup
- r. PON
- s. Frame relay
- t. ATMs

2. Properties:

- a. Circuit switch
- b. Packet switch
- c. Speed
- d. Transmission media
- e. Distance

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2719	2	*	B	E	L

Goal. Describe different network topologies.

Requirement. Without the aid of reference, describe:

1. MPLS
2. Point to point
3. Point to multipoint
4. Ring
5. Star
6. Mesh
7. Bus
8. Peer-to-peer
9. Client-server
10. Hybrid

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2720	2	*	B	E	L

Goal. Troubleshoot common physical connectivity problems.

Requirement. Without the aid of reference, describe:

1. Cable problems:
 - a. Bad connectors
 - b. Bad wiring
 - c. Open, short
 - d. Split cables
 - e. DB loss
 - f. TXRX reversed
 - g. Cable placement
 - h. EMI/Interference
 - i. Distance
 - j. Cross-talk

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2721	2	*	B	E	L

Goal. Compare different LAN technologies.

Requirement. Without the aid of reference, describe:

1. Types:
 - a. Ethernet
 - b. 10BaseT
 - c. 100BaseT
 - d. 1000BaseT
 - e. 100BaseTX
 - f. 100BaseFX
 - g. 1000BaseX
 - h. 10GBaseSR
 - i. 10GBaseLR
 - j. 10GBaseER
 - k. 10GBaseSW
 - l. 10GBaseLW
 - m. 10GBaseEW
 - n. 10GBaseT
2. Properties:
 - a. CSMA/CD
 - b. CSMA/CA
 - c. Broadcast
 - d. Collision
 - e. Bonding
 - f. Speed
 - g. Distance

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

Goal. Use appropriate hardware tools to troubleshoot connectivity issues.

Requirement. Without the aid of reference, describe:

1. Cable tester
2. Cable certifier
3. Crimper
4. Butt set
5. Toner probe
6. Punch down tool
7. Protocol analyzer
8. Loop back plug
9. TDR
10. OTDR
11. Multimeter
12. Environmental monitor

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2725	2	*	B	E	L

Goal. Use appropriate software tools to troubleshoot connectivity issues.

Requirement. Without the aid of reference, describe:

1. Protocol analyzer
2. Throughput testers
3. Connectivity software
4. Ping
5. Tracert/traceroute
6. Dig
7. Ipconfig/ifconfig
8. Nslookup
9. Arp
10. Nbtstat
11. Netstat
12. Route

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2726	2	*	B	E	L

Goal. Use the appropriate network monitoring resource to analyze traffic.

Requirement. Without the aid of reference, describe:

1. SNMP
2. SNMPv2
3. SNMPv3
4. Syslog
5. System logs
6. History logs
7. General logs
8. Traffic analysis
9. Network sniffer

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2727	2	*	B	E	L

Goal. Describe the purpose of configuration management documentation.

Requirement. Without the aid of reference, describe:

1. Wire schemes
2. Network maps
3. Documentation
4. Cable management
5. Asset management

6. Baselines
7. Change management
Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2728	2	*	B	E	L

Goal. Explain different methods and rationales for network performance optimization.

Requirement. Without the aid of reference, describe:

1. Methods:
 - a. QoS
 - b. Traffic shaping
 - c. Load balancing
 - d. High availability
 - e. Caching engines
 - f. Fault tolerance
 - g. CARP
2. Reasons:
 - a. Latency sensitivity
 - b. High bandwidth applications (VoIP, video applications, unified communications)
 - c. Uptime

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2729	2	*	B	E	L

Goal. Implement appropriate wireless security measures.

Requirement. Without the aid of reference, describe:

1. Encryption protocols:
 - a. WEP
 - b. WPA
 - c. WPA2
 - d. WPA Enterprise
2. MAC address filtering
3. Device placement
4. Signal strength

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFN-2730	2	*	B	E	L

Goal. Explain the methods of network access security.

Requirement. Without the aid of reference, describe:

1. ACL:
 - a. MAC filtering
 - b. IP filtering
 - c. Port filtering
2. Tunneling and encryption:
 - a. SSL VPN
 - b. VPN
 - c. L2TP
 - d. PPTP
 - e. IPSec
 - f. ISAKMP
 - g. TLS
 - h. TLS1.2
 - i. Site-to-site and client-to-site
3. Remote access:
 - a. RAS
 - b. RDP
 - c. PPPoE
 - d. PPP
 - e. ICA
 - f. SSH

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWF-2731	2	*	B	E	L

Goal. Explain methods of user authentication.

Requirement. Without the aid of reference, describe:

1. PKI
2. Kerberos
3. AAA (RADIUS, TACACS+)
4. Network access control (802.1x, posture assessment)
5. CHAP
6. MS-CHAP
7. EAP
8. Two-factor authentication
9. Multifactor authentication
10. Single sign-on

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2732	2	*	B	E	L

Goal. Explain common threats, vulnerabilities, and mitigation techniques.

Requirement. Without the aid of reference, describe:

1. Wireless:
 - a. War driving
 - b. War chalking
 - c. WEP cracking
 - d. WPA cracking
 - e. Evil twin

- f. Rogue access point
- 2. Attacks:
 - a. DoS
 - b. DDoS
 - c. Man in the middle
 - d. Social engineering
 - e. Virus
 - f. Worms
 - g. Buffer overflow
 - h. Packet sniffing
 - i. FTP bounce
 - j. Smurf
- 3. Mitigation techniques:
 - a. Training and awareness
 - b. Patch management
 - c. Policies and procedures
 - d. Incident response

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2733	2	*	B	E	L

Goal. Install and configure a basic firewall.

Requirement. Without the aid of reference, describe:

- 1. Types:
 - a. Software and hardware firewalls
- 2. Port security
- 3. Stateful inspection vs. packet filtering
- 4. Firewall rules:
 - a. Block/allow
 - b. Implicit deny
 - c. ACL
- 5. NAT/PAT
- 6. DMZ

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFN-2734	2	*	B	E	L

Goal. Categorize different types of network security appliances and methods.

Requirement. Without the aid of reference, describe:

1. IDS and IPS:
 - a. Behavior based
 - b. Signature based
 - c. Network based
 - d. Host based
2. Vulnerability scanners:
 - a. NESSUS
 - b. NMAP
3. Methods:
 - a. Honeypots
 - b. Honeynets

Performance Standard. Pass a written examination with an 80%.

Instructor: BI, SI with current Network+ certification.

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

4.10.21 INFORMATION ASSURANCE WORK FORCE A+ TEST (IAWFAT) STAGE

4.10.21.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

4.10.21.2 General

4.10.21.2.1 Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objectives. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

References for all events: Any CompTIA Approved Quality Content (CAQC) program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

4.10.21.2.2 Crew Requirements. None

IAWFAT-2800 1 1095 B E L

Goal. Describe PC hardware

Requirement. Without the aid of references:

1. Describe and apply BIOS settings.
2. Differentiate between motherboard components, their purposes, and properties.
3. Compare RAM types and features.
4. Describe the installation and configuration of expansion cards.
5. Describe 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. Describe the installation and configuration of various peripheral devices.

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFAT-2802	1	1095	B	E	L

Goal. Describe networking concepts

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFAT-2804	1	1095	B	E	L

Goal. Describe laptop features and characteristics

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2625, 2626, 2627

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2806	1	1095	B		E		L

Goal. Describe printer features and characteristics

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2628, 2629, 2630

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2808	1	1095	B		E		L

Goal. Describe operational procedures

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2631, 2632, 2633, 2634

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2810	1	1095	B	E	L

Goal. Describe operating systems

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2812	1	1095	B	E	L

Goal. Describe security

Requirement. Without the aid of references:

1. Apply and use common prevention methods.
2. Implement 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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2644, 2645, 2646, 2647, 2648, 2649

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2814	1	1095	B	E	L

Goal. Describe Mobile Devices

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2650, 2651, 2652, 2653, 2654

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFAT-2816	1	1095	B	E	L

Goal. Describe Troubleshooting

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current A+ certification.

Prerequisite. 2655, 2656, 2657, 2658, 2659, 2660

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

4.10.22 INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE

4.10.22.1 Purpose. Provide an overview of Information Assurance Concepts and prepare the student to pass industry standard exams as required by the DODINST 8510

4.10.22.2 General

4.10.22.2.1 Admin Notes. Knowledge in Information Assurance is essential to the security of information systems. The events listed were extracted from the COMPTIA Network+ N10-005 exam objective. Test objectives are updated periodically and can be found on the COMPTIA website at www.comptia.org

Any MOS with a current COMPTIA Network+ certification may serve as the instructor for these events.

If the trainee has taken a college class for Network+ and has received a letter grade of "B" or better, than all prerequisites for this stage are waived. The trainee must produce the transcripts and course syllabus to the WTI for verification that the training objectives have been met.

If the trainee has been previously certified in Network+ (regardless of the exam objectives) than all prerequisites are waived.

References for all events: Any CAQC program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

4.10.22.2.2 Crew Requirements. None

IAWFNT-2850	1	1095	B	E	L

Goal. Describe Networking Concepts

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

IAWFNT-2852	1	1095	B	E	L

Goal. Describe Network Installation and Configuration

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2710, 2711, 2712, 2713, 2714, 2715

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFNT-2854	1	1095	B	E	L

Goal. Describe Network Media and Topologies

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2716, 2717, 2718, 2719, 2720 2721, 2722, 2723

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFNT-2856	1	1095	B	E	L

Goal. Describe Network Management

Requirement. Without the aid of references:

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. Describe the purpose of configuration management documentation.
6. Explain different methods and rationales for network performance optimization.

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2724, 2725, 2726, 2727, 2728, 2729

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.
1.

IAWFNT-2858	1	1095	B	E	L

Goal. Describe Network Security

Requirement. Without the aid of references:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor. BI, SI with current Network+ certification.

Prerequisite. 2730, 2731, 2732, 2733, 2734

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.
1.

4.11 MISSION SKILL TRAINING (3000)

4.11.1 Purpose. To provide Unit level instruction to develop the Mission skills necessary for an enlisted Marine to meet the requirements to support mission essential tasks.

4.11.2 General

4.11.2.1 Prerequisite. Core Skill Introduction training phase must be completed prior to beginning this phase of training.

4.11.2.2 Admin Notes

(1) Training in this phase does not preclude simultaneous training in the Mission Skill 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) 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) In the current fiscally constrained environment, a commander may send his Marines, TECOM funded, TAD to MCCES to attend the 5974 NCO course to accomplish marked training events. This will get the 5974 trained quickly and efficiently with great economy of force and effort.

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

PAR NO.	STAGE NAME
4.11.3	DEPLOYMENT (DEPL)
4.11.4	MAINTENANCE MANAGEMENT (MMGT)

4.11.5	OPERATIONS MANAGEMENT (OMGT)
4.11.6	INFORMATION ASSURANCE WORKFORCE A+ (IAWFA)
4.11.7	INFORMATION ASSURANCE WORKFORCE NET+ (IAWFN)

4.11.3 Deployment Planning (DEPL)

4.11.3.1 Purpose. To teach the Marine to identify communication assets required to support the C2 mission and arrange for consumable supply support.

4.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

DEPL-3005 8.0 730 B,R,M 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

Performance Standard. With the aid of reference, complete the requirement items. Instructor shall verify the LTI documentation was completed and the equipment was packed and labeled correctly.

Instructor. SI,WTI

Prerequisite. 2050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 3120.6_ (Standard Embarkation Management System)
2. Applicable Technical Manuals

DEPL-3010 8.0 730 B,R,M L

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

Requirement. Given a scenario or operational deployment and commanders guidance, deploy the maintenance detachment:

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.

Performance Standard. With the aid of reference, plan and submit EDL, BOM, CLD requirements for maintenance section deployment. Perform the embarkation of the maintenance section in support of a training exercise or operational deployment.

Note: This event can be completed in garrison, however equipment must be physically moved for the trainee to be able to ensure the execution of the load plan.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCO 3120.6
2. Applicable TMs/Ums

DEPL-3015 2.0 * B L

Goal. Identify assets to support the C2 mission.

Requirement. Given an Op Order, conduct the following:

1. Extract the C2 mission.
2. Determine communication requirements.
3. Identify Primary End Items (PEIs).
4. Identify required equipment ISO PEIs (i.e., float, BOM, , ancillary)

Performance Standard. Conduct the requirement items IAW the reference. This can be accomplished during deployment in support of DASC level off site exercise.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Op Order

4.11.4 Maintenance Management (MMGT)

4.11.4.2 Purpose. To teach the Marine how to run maintenance shop programs in support of maintenance production efforts.

4.11.4.3 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3100	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.

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.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. 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-3105 2.0 730 B,R,M L

Goal. Validate the float process.

Requirement. Given a practical application scenario, applicable maintenance and supply history documents, review them and provide recommendations for organizational Critical Low Density Float assets and required on-hand quantities. Conduct a float re-computation.

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. 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-3110 2.0 * B L

Goal. Assess maintenance funding requirements.

Requirement. Given equipment maintenance history 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. Submit a budget request with justification to the Instructor for final approval.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

4.11.5 Operations Management (OMGT)

4.11.5.1 Purpose. To teach the Marine to ensure TDSA are functioning properly and to manage crews in an operational environment.

4.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3200	1.0	*	B	S/L

Goal. Provide input for the operational plan.

Requirement. Given an operation and command guidance, provide communications input for the operation plan:

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. Verify comm Plan supports mission execution.

Performance Standards. Communications portion of operation plan supports the mission.

Instructor. SI,WTI

Prerequisites. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Operations Order

OMGT-3205 2.0 * B L

Goal. Organize and staff crew for deployment.

Requirement. Given a scenario and references, assign maintenance personnel to crews dependent upon mission requirements.

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 test, identify the requirements to establish a core capable crew.

Instructor. SI,WTI

Prerequisites. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005,

3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225,
3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. MCWP 3-25.5

OMGT-3210 2.0 365 B,R,M L

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

Requirement. Given TEEP documents and references, submit a BOM request.

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.

Performance Standard. Submit a BOM request to the Instructor for verification, validation, and final approval.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

OMGT-3215 1.0 365 B,R,M DTD L

Goal. Perform COMSEC handling procedures.

Requirement. Given EKMS materials, perform proper COMSEC handling procedures:

1. Safeguard and properly handle COMSEC materials.
2. Verify appropriate keying materials.
3. Validate proper loading of keying materials.
4. Validate proper destruction of keying materials:
 - (a) Destroy keying materials on time.
 - (b) Properly record destruction.

Performance Standards. Conduct proper handling of keying materials and devices to ensure no EKMS Practices Dangerous to Security (PDS) or incidents occur.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

References.

1. MCO P5510.18_
2. EKMS-1
3. SECNAVINST 5510.36

OMGT-3220	16.0	1460	B,R,M	1 DASC	L

Goal. Set up tactical data systems in the DASC.

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

1. Emplace all TDSs
2. Power all TDSs
3. Network all TDSs

Performance Standard. Given a cutsheet and diagrams, execute requirements.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Cut sheets, site diagrams.

OMGT-3225	24.0	1460	B,R,M	1 DASC	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.

1. Ensure all safety procedures/precautions are followed during embarkation.
 - a. safe packing
 - b. safe loading
2. Ensure all safety procedures/precautions are followed during employment.
 - a. safe set-up
 - b. safe operations.
3. Ensure all safety procedures/precautions are followed during maintenance.
 - a. personnel safety
 - b. equipment safety

Performance Standard. Given the communication and electronics section of a DASC and a core competent crew supervise the safety of the embarkation, employment, and maintenance production without a safety incident.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

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

OMGT-3230 16.0 1460 B,R,M 1 DASC L

Goal. Perform tactical data systems integration.

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

1. Integrate organic equipment into unit comm architecture
 - a. Make liaison with unit sections involved
 - b. Ensure equipment configurations between organic equipment is correct and meet the mission requirement
 - c. Ensure the transmission of data between systems
 - d. Troubleshoot anomalies
2. Integrate organic equipment into the MACCS comm architecture
 - a. Make liaison with MACCS agency involved

- b. Ensure equipment configurations are correct and meet the mission requirement
- c. Ensure the transmission of data between systems
- d. Troubleshoot anomalies

Performance Standard. Given the communication and electronics section of a DASC and a core competent crew, supervise the integration of tactical data systems for the MACCS.

Instructor. SI,WTI

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

External Support. Applicable external MACCS agencies.

Reference.

Site diagrams.

OMGT-3235 40.0 1095 B,R,M L

Goal. Identify Operational Requirements (OPORD).

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

1. Communication electronics equipment required.
2. Engineering equipment.
 - a. Air conditioners
 - b. Heavy equipment
 - c. Generators
3. Personnel required.
 - a. Military Occupational Skill (MOS)
 - b. Designation
 - c. Certification
4. Cryptographic equipment required.
5. Logistics support required.
6. Supply support required
 - a. Bill of Material (BOM) requirements.
 - b. Float requirements.
7. Frequencies required.
 - a. Draft a frequency request
 - b. Draft a satellite access request
8. Develop an Equipment Density List (EDL) for PEIs.
9. Site Layout Plan.

Performance Standard. Develop a deployment and emplacement plan for the DASC, ASLT, or ASE IAW the references.

Instructor. SI,WTI

Prerequisites. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Ordinance Requirement. None

Range/Target Requirement. 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

4.11.6 INFORMATION ASSURANCE WORK FORCE A+(IAWFA)

4.11.6.1 Purpose. Verify that the trainee is proficient in the Information Assurance concepts to support the mission IAW the DODINST 8510.

4.11.6.2 General

Prerequisite. None

Admin Notes. Any MOS with a current COMPTIA A+ certification may serve as the instructor for these events.

If the trainee is currently certified in COMPTIA A+ (regardless of the exam objectives) than all prerequisites are waived.

Once the trainee completes the event in this they can be afforded the oportunittee to take the respective industry certification exam.

References for all events: Any **CAQC program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org**

Crew Requirements. None

IAWFA-3400	2	1095	B	E	L

Goal. Identify and describe concepts included in A+ exam 220-801

Requirement. Without the aid of references, identify and describe:

1. PC Hardware

2. Networking
3. Laptop
4. Printers
5. Operational Procedures

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor: SI,WTI with current A+ certification.

Prerequisite: 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2800, 2802, 2804, 2806, 2808

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

IAWFA-3405	2	1095	B	E	L

Goal. Identify and describe concepts included in A+ exam 220-802

Requirement. Without the aid of references, identify and describe:

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

Performance Standard. Without the aid of reference, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor: SI,WTI with current A+ certification.

Prerequisite: 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2810, 2812, 2814, 2816

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1.

4.11.7 INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFN)

4.11.7.1 Purpose. Verify that the trainee is proficient in the Information Assurance concepts to support the mission IAW the DODINST 8510.

4.11.7.2 General

Prerequisite. None

Admin Notes. Any MOS with a current COMPTIA A+ certification may serve as the instructor for these events.

If the trainee is currently certified in COMPTIA A+ (regardless of the exam objectives) than all prerequisites are waived.

Once the trainee completes the event in this they can be afforded the opportunity to take the respective industry certification exam.

References for all events: Any CAQC program reference material can be used. These materials are considered the best resource and can be found on the COMPTIA website at www.comptia.org

Crew Requirements. None

IAWFN-3450 2 1095 B E L

Goal. Identify and describe concepts included in Network+ exam
N10-005

Requirement. Without the aid of references, identify and describe:

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, utilizing exam preparation testing software provided with the reference, pass a random generated exam with 80% accuracy.

Instructor: SI,WTI with current Network+ certification.

Prerequisite: 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1.

4.12 CORE PLUS TRAINING (4000)

4.12.1 Purpose. This phase includes core skill plus training for 5974s. All 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 trainee is exposed to advanced MACCS integration and employment of the DASC within a joint environment.

4.12.2 General

4.12.2.1 Prerequisite. Core Skill Basic and Mission Skill phases must be completed prior to beginning training in this phase.

4.12.2.2 Admin Notes

(1) Training in this phase does not preclude simultaneous training in the Mission Skill 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 Stage. The following stages are included in the Core Plus Skill Phase of training.

PAR NO.	STAGE NAME
4.12.3	INTELLIGENCE LINKS (INTEL)
4.12.4	NETWORK (NET)
4.12.5	THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)
4.12.6	COMBAT OPERATIONS CENTER (COC)
4.12.7	COMMANDERS TACTICAL TERMINAL/HYBRID 3 (CTT)
4.12.8	COMMON CONNECTIVITY DEVICE (CCD)
4.12.9	LINK MANAGEMENT SYSTEM--MULTI TADIL (LMSMT)
4.12.10	COMMUNICATION DATALINK SYSTEM (CDLS)

4.12.3 INTELLIGENCE LINKS (INTEL)

4.12.3.1 Purpose. The purpose of this stage is to teach the Marine about Intelligence Links and how to establish them.

4.12.3.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

INTEL-4000 3.0 * B E L

Goal. Describe Intel Links.

Requirement. Describe the following:

1. Describe the function of IBS-I.
2. Describe the function of IBS-S.
3. Describe the CTT-H3.
4. Describe the configuration of ADSI utilities for Intel Links.
5. Describe the function of the AS-3439/G antenna.
6. Describe the function of the AS-3567/G antenna.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10389-12
2. TM 10389-30
3. ADSI Installation and Configuration Guide
4. UHF SATCOM Antenna System User's and Repair Manual

INTEL-4005 3.0 * B E L

Goal. Establish Intel Links.

Requirement. Given an Intel Radio Set and ADSI, conduct the following:

1. Configure the intel radio links.
2. Initialize Integrated Broadcast Service-Simplex.
3. Initialize Integrated Broadcast Service-Interactive.
4. Configure the ADSI for intel links

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

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference

1. TM 10389-12
2. ADSI Installation and Configuration Guide and TIPOFF NT Manual

4.12.4 Network (NET)

4.12.4.1 Purpose. The purpose of this stage is to teach the Marine how to design network architectures.

4.12.4.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

NET-4100	4.0	365	B,R,M	L

Goal. Design network architecture.

Requirement. Given required network information, create a visual representation of the network consisting of the following:

1. Location of cells (i.e., COPS, FOPS, ACI, etc.).
2. Internet Protocol (IP) addresses, subnet, and netmask.
3. Notation of domain.
4. Computer hostnames.
5. Placement of switches/routers.
6. Placement of Primary End Items (PEIs).
7. Firewall information.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DODD 8570.01
2. DODD 8500.01E
3. DODI 8500.2

4.12.5 Theater Battle Management Core System (TBMCS)

4.12.5.1 Purpose. To teach the Marine the characteristics of TACC specific shelters, and their emplacement and cabling.

4.12.5.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TBMCS-4155 19.0 365 B,R,M TBMCS L

Goal. Configure network security.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Configure TBMCS PSS.
 - a. Install ISA server.
 - b. Configure ISA server.
 - c. Install Safe-Net Security Center.
 - d. Configure Safe-Net Security Center.
 - e. Configure S/Speed Devices.
 - f. Configure Security Policy Automation Tool.
2. Install COC Firewall.
3. Configure COC Firewall.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS PSA SUM
2. TBMCS SEC SUM
3. Applicable user manuals

TBMCS-4157 2.0 * B 1 TBMCS, 1 CDLS L

Goal. Familiarization with Communications Data Link System (CDLS) and Theatre Battle Management Core System (TBMCS) Remote.

Requirement. Given references, a TBMCS and CDLS remote:

1. State the purpose and identify TDS functions.
2. Identify software components of each.
3. Identify hardware components of each.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Applicable user manuals.

TBMCS-4159	3.0	365	B,R,M	TBMCS	L

Goal. Conduct TBMCS PRE-BUILD PHASE.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Gather build configuration information.
2. Perform load SUM procedures.
3. Log Progress.
4. Log Errors.
5. Verify 3510 configuration.

Performance Standard. Given a performance checklist, complete pre-build phase by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4161	4.0	365	B,R,M	1 TBMCS	L

Goal. Conduct TBMCS BUILD PHASE 1.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify network configuration.
5. Verify Hard drive Partitioning.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4163 4.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS BUILD PHASE 2.

Requirement. Given a site diagram, references, materials, and equipment, perform the following:

1. Perform load SUM procedures
2. Log Progress
3. Log Errors
4. Verify Time Server configuration.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4165 4.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS BUILD PHASE 3.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify replication of active directory.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4167	6.0	365	B,R,M	1 TBMCS	L

Goal. Conduct TBMCS BUILD PHASE 4.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify TBMCS Utility Configuration (TUC) configuration.
5. Verify Domain Name Services (DNS) records.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4169 2.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS BUILD PHASE 5.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify /etc/hosts file on Unix clients.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4171 12.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS BUILD PHASE 6.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify IRIS server services have been started.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4173 6.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS BUILD PHASE 7.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures
2. Log Progress
3. Log Errors
4. Verify Web-logic server has started.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4175	2.0	365	B,R,M	1 TBMCS	L

Goal. Conduct TBMCS BUILD PHASE 8.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify Pristine Backup was complete.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4177	12.0	365	B,R,M	1 TBMCS	L

Goal. Conduct TBMCS POST-CONFIG PHASE.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures.
2. Log Progress.
3. Log Errors.
4. Verify that users are created.
5. Verify user assigned permissions.

Performance Standard. Perform the requirement in accordance with the reference

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4179	24.0	365	B,R,M	1 TBMCS	L

Goal. Conduct TBMCS PATCH INSTALL.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform load SUM procedures
2. Log Progress
3. Log Errors
4. Verify patch functionality.

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

TBMCS-4181 4.0 365 B,R,M 1 TBMCS L

Goal. Conduct TBMCS VERIFICATION.

Requirement. Given a site diagram, references, materials, Current Ops and Future Ops operators, and required equipment, perform the following:

1. Perform load SUM procedures
2. Log Progress
3. Log Errors

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. (1) Operations crew

Reference.

1. TBMCS SUMs

TBMCS-4183 12.0 365 B,R,M 1 TBMCS L

Goal. Perform systems configuration / systems administration on TBMCS.

Requirement. Given TBMCS, references, materials, and required equipment, perform the following:

1. Update DNS
2. Update Active Directory
3. Update Microsoft exchange services
4. Update Licensing
5. Verify IRIS Services are running
6. Verify Windows Services are running
7. Verify Unix process are running
8. Verify DMD services are running
9. Verify Global Share availability
10. Verify Web-Logic Servers are running
11. Update Webpage Status
12. Update system passwords
13. Terminate stale connections
14. Perform offline database backup
15. Perform database cleanup
16. Perform system backups
17. Log Files Check
18. Network Time Check
19. Trouble Shoot error(s)

Performance Standard. Perform the requirement in accordance with the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TBMCS SUMs

4.12.6 Combat Operations Center (COC)

4.12.6.1 Purpose. To teach the Marine to setup, install, configure, and perform systems administration on the COC.

4.12.6.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COC-4200	8.0	*	B	1 COC	L

Goal. Identify the Combat Operation Center (COC).

Requirement. Given a COC, conduct a tour of the COC and complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.
4. Identify TDSA responsibilities with respect to the COC.

Performance Standard. Conduct all the requirement items above IAW the references. .

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

COC-4205	8.0	*	B	1 COC	L

Goal. Setup COC Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace system.
2. Cable system.
3. Emplace SWAG kit.
4. Emplace Environmental safety equipment.
5. Energize components.
6. Conduct operational status check.

Performance Standard. Conduct all the requirement items IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

COC-4210	8.0	*	B	1 COC	L

Goal. Install COC software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install Operating Systems.
2. Install System Specific Software.
3. Log Progress.
4. Log Errors.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

COC-4215	8.0	*	B	1 COC	L

Goal. Conduct COC system administration / configuration management.

Requirement. Given a COC, references, materials, and required equipment, perform the following:

1. Update DNS.
2. Update Active Directory.
3. Update Microsoft exchange services.
4. Update Licensing.
5. Verify Windows Services are running.
6. Verify Global Share availability.
7. Update Webpage.
8. Update system passwords.
9. Terminate stale connections.
10. Make changes to display system.
11. Update DSU.
12. Perform system backups.
13. Log Files Check.
14. Network Time Check.
15. Trouble Shoot error(s).

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

4.12.7 Commanders Tactical Terminal/ Hybrid 3 (CTT)

4.12.7.1 Purpose. To teach the Marine to setup, install, configure, and administer the equipment required for receiving intelligence broadcasts via UHF TACSAT. Currently done through the Commanders Terminal Hybrid 3 and the Embedded National Tactical Receiver.

4.12.7.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CTT-4255	2.0	*	B	1 CTT/H3	L

Goal. Identify AN/USC-55A Commanders Tactical Terminal Hybrid 3 (CTT/H3).

Requirement. Given references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components. .

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CTT-4260	4.0	*	B	1 CTT/H3	L

Goal. Setup CTT Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components.
3. Energize components.
4. Conduct operational status check.
5. Install TIPOFF-NT.

Performance Standard. Conduct the requirement IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CTT-4265	4.0	365	B,R,M	1 CTT/H3	L

Goal. Administer CTT/H3 and associated data links.

Requirement. Given a CTT/H3, references, materials and required equipment, perform the following:

1. Establish TIPOFF-NT JREAP-C data link
2. Establish TIPOFF-NT IBS-I data link
3. Establish TIPOFF-NT IBS-S data link
4. Check system log
5. Check system Time
6. Network Time Check
7. Trouble Shoot error(s)

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

4.12.8 Common Connectivity Device (CCD)

4.12.8.1 Purpose. To teach the Marine Common to setup, install , and administer the CCD.

4.12.8.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CCD-4300	2.0	*	B	1 CCD	L

Goal. Familiarization with Common Connectivity Device (CCD).

Requirement. Given a CCD and references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.
4. Identify TDSA responsibilities with respect to the CCD.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CCD-4305	4.0	*	B	1 CCD	L

Goal. Setup CCD Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components.
3. Energize components.
4. Install operating system.
5. Conduct operational status check.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CCD-4310	2.0	*	B	1 CCD	L

Goal. Install CCD software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Perform vendor software image recovery/software installation.
2. Configure Network settings.
3. Configure Time.
4. Log Progress.
5. Log Errors.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CCD-4315 2.0 365 B,R,M 1 CCD L

Goal. Perform configuration management / systems administration on the CCD.

Requirement. Given a CCD, references, materials and required equipment, perform the following:

1. Establish Link-11B data link
2. Establish Link-16 data link
3. Establish JREAP-B data link
4. Provide JREAP-C data link
5. Perform system backups
6. Check Log Files
7. Network Time Check
8. Trouble Shoot error(s)

Performance Standard. Administer the CCD by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

4.12.9 Link Management System - Multi TDL (LMSMT)

4.12.9.1 Purpose. To teach the Marine how to setup, configure, and perform systems administration of the LMS-MT.

4.12.9.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

LMSMT-4355 2.0 * B 1 LMS-MT L

Goal. Familiarization with Link Management System - Multi Tactical Data Link (LMS-MT).

Requirement. Given an LMS-MT and references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

LMSMT-4360	4.0	*	B	1 LMS-MT	L

Goal. Setup LMS-MT Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Erect antenna
3. Cable components.
4. Energize components.
5. Install operating system.
6. Conduct operational status check.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

LMSMT-4365	2.0	*	B	1 LMS-MT	L

Goal. Install LMS-MT software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install LMS-MT software
2. Log Progress.
3. Log Errors.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

LMSMT-4370	4.0	*	B	1 LMS-MT	L

Goal. Configure the LMS-MT.

Requirement. Given an LMS-MT, references, materials and required equipment, perform the following:

1. Configure network settings
2. Configure system time
3. Load NDL
4. Fill FEZ
5. Log Progress
6. Log errors

Performance Standard. Configure the LMS-MT by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

LMSMT-4375	4.0	365	B,R,M	1 LMS-MT	L

Goal. Perform configuration management / systems administration on the LMSMT.

Requirement. Given a LMS-MT, references, materials and required equipment, perform the following:

1. Establish Link-11B data link
2. Establish Link-16 data link
3. Establish JREAP-B data link
4. Establish JREAP-C data link
5. Perform system backups
6. Check Log Files
7. Network Time Check
8. Trouble Shoot error(s)

Performance Standard. Administer the LMS-MT by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

4.12.10 Communication Data Link System (CDLS)

4.12.10.1 Purpose. To teach the Marine how to setup, configure, and perform systems administration of the CDLS.

4.12.10.2 General.

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CDLS-4400	2.0	*	B	1 CDLS	L

Goal. Familiarization with the Communications Data Link System (CDLS).

Requirement. Given a CDLS and references, complete the following:

1. State the purpose and identify its functions.
2. Identify software components.
3. Identify hardware components.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CDLS-4405	4.0	*	B	1 CDLS	L

Goal. Setup CDLS Equipment.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Emplace components.
2. Cable components.
3. Erect HF antenna
4. Erect UHF antenna
5. Energize components.
6. Install operating system.
7. Conduct operational status check.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CDLS-4410	2.0	*	B	1 CDLS	L

Goal. Install CDLS software.

Requirement. Given a site diagram, references, materials, and required equipment, perform the following:

1. Install ADSI software
2. Log Progress.
3. Log Errors.

Performance Standard. Conduct all the requirement items IAW the references.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CDLS-4415	4.0	*	B	1 CDLS	L

Goal. Configure the CDLS.

Requirement. Given an CDLS, references, materials and required equipment, perform the following:

1. Configure network settings
2. Configure system time
3. Load NDL
4. Fill Link 16 terminal
5. Log Progress
6. Log errors

Performance Standard. Configure the CDLS by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Applicable technical manuals.

CDLS-4420	4.0	365	B,R,M	1 CDLS,1 DST	L

Goal. Perform configuration management / systems administration on the CDLS.

Requirement. Given a LMS-MT, references, materials and required equipment, perform the following:

1. Establish Link 11 data link via HF
2. Establish Link 11 data link via UHF
3. Establish Link 11B data link
4. Establish Link 16 data link
5. Establish JREAP-A data link
6. Establish JREAP-B data link
7. Establish JREAP-C data link
8. Check Log Files
9. Network Time Check
10. Trouble Shoot error(s)

Performance Standard. Administer the CDLS by completing all items on the checklist IAW the reference.

Instructor. BI,SI

Prerequisite: None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 5-1

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/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 Prerequisite. 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 Requirements, Certifications, Qualifications, and Designations Skill Phase of training.

PAR NO.	STAGE NAME
4.14.3	QUALIFICATION (QUAL)
4.14.4	CERTIFICATION (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 the path to obtain IOW, IOS, AFATDS, and TBMCS Web Remote qualifications. Refer to the Core Skill Basic and Advanced phases for qualification syllabus.

4.14.3.2 General

Prerequisite. None

Admin Notes. Qualification codes will be logged upon completion of qualification requirements; the qualification letter has been signed by the commanding officer, filed in the individual's IPR, and an entry logged. Policies and rules for maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6100 8.0 1095 B,R,M E L

Goal. Qualification as a C2SA on Remote TBMCS Systems (TBMCS WEB REMOTE).

Requirement. Complete required TBMCS Web Remote training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2100, 2102, 2104, 2129, 2150, 2152, 2154, 2156, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

QUAL-6105 8.0 1095 B,R,M E L

Goal. Qualification as a C2SA on IOW (IOW)

Requirement. Complete required IOW training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2225, 2227, 2229, 2231, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

QUAL-6110 8.0 1095 B,R,M E L

Goal. Qualification as a IOS Systems administrator (IOS)

Requirement. Complete required IOS training

POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2200, 2202, 2204, 2206, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

QUAL-6115 8.0 1095 B,R,M E L

Goal. Qualification as AFATDS Systems Administrator (AFATDS).

Requirement. Complete required AFATDS training

POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2275, 2277, 2279, 2281, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

QUAL-6120 8.0 1095 B,R,M E L

Goal. Designation as a Tactical Data Systems Basic Technician.

Requirement. Complete required Basic Technician training POI.

Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230

QUAL-6125 8.0 1095 B,R,M E L

Goal. Designation as a Tactical Data Systems Advanced Technician.

Requirement. Complete required Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120

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	8.0	1095	B,R,M	E	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 qualification by a WTI and approved in writing by the commanding officer.

Note: Requalification date shall be entered as the expiration date of the COMPTIA A+ industry standard certification. Trainees should be required to complete prerequisite events prior to attempting the Continuing Education (CE) exam to renew the COMPTIA certification.

Prerequisite. 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405

CERT-6205	8.0	1095	B,R,M	E	L

Goal. Certification as a COMPTIA Network+ Technician.

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

Note: Requalification date shall be entered as the expiration date of the COMPTIA Network+ industry standard certification. Trainees should be required to complete prerequisite events prior to attempting the Continuing Education (CE) exam to renew the COMPTIA certification.

Prerequisite. 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450

4.14.4 DESIGNATIONS (DESG) STAGE

4.14.4.1 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.

4.14.4.2 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-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.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 6120

DESG-6321 1.0 * B L

Goal. Designation as Senior Instructor (SI).

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

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6120, 6320

DESG-6500 1.0 * B L

Goal. Designation as a Tactical Data Systems Maintenance Chief.

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

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2065, 2070, 2105, 2110, 2115, 2120, 2125, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2200, 2205, 2210, 2265, 2320, 2355, 2360, 2365, 2370, 2375, 2420, 2475, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2570, 2575, 2600, 2605, 2610, 2615, 2620, 2655, 2660, 2665, 2670, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2750, 2755, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

DESG-6505 2.0 * B L

Goal. Designation as 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the technician has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2085, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6510 2.0 * 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2087, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6515 2.0 * B 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2083, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6520 2.0 * 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite.	2000,	2002,	2004,	2030,	2050,	2052,	2054,	2056,	2058,
	2075,	2104,	2129,	2158,	2183,	2208,	2233,	2283,	2302,
	2304,	2308,	2325,	2331,	2404,	2418,	2420,	2502,	2504,
	2506,	2510,	2514,	2530,	2532,	3005,	3015,	3210,	3215,
	3220,	3225,	3230,	5000,	5010,	5020,	5100,	5110,	5120,
	5130,	6120,	6320,	6321					

Reference. MCO P4790.2

DESG-6525 2.0 * B 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2081, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2

DESG-6530 2.0 * B 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2077, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6535 2.0 * 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2079, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6540 2.0 * 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2089, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6545 2.0 * B L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (GCSS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (GCSS) 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2091, 2093, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120

Reference. MCO P4790.2_

DESG-6550 2.0 * 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 maintenance officer.

Performance Standard. The instructor shall conduct an inspection of this collateral duty and if it results mission capable then the Marine has met the requirement.

Instructor. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2065, 2070, 2105, 2110, 2115, 2120, 2125, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2200, 2205, 2210, 2265, 2320, 2355, 2360, 2365, 2370, 2375, 2420, 2475, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2570, 2575, 2600, 2605, 2610, 2615, 2620, 2655, 2660, 2665, 2670, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2750, 2755, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125

Reference. MCO P4790.2_

4.14.5 SCHOOL CODES (SCHL) STAGE

4.14.5.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5939 in the skill progression of the trainee.

4.14.5.2 General

Prerequisite. NONE.

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

Crew Requirements. NONE.

COURSE NAME	LOCATION	CID/CIN	T&R CODE
Systems Administrator	Hurlburt Field, FL	F19L2U2	SCHL-6013
Network Administrator	Hurlburt Field, FL	F19L9W2	SCHL-6014
Link 16 Interoperability Course (JT-101)	Online	A36L391	SCHL-6020
Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Ft Bragg, NC	A36L6Z1	SCHL-6021
United States Message Text Formatting (USMTF) Course (JT-105)	Ft Bragg, NC	N/A	SCHL-6022
Link 16 Planner Course (JT-201)	Ft Bragg, NC	N/A	SCHL-6023
USMTF Manager Course (JT-205)	Ft Bragg, NC	N/A	SCHL-6024
Link 16 Unit Manager (LUM) Course (JT-220)	Ft Bragg, NC	N/A	SCHL-6025
Joint Interface Control Officer (JICO) (JT-301)	Ft Bragg, NC	N/A	SCHL-6026
Advanced JICC Operator Course (JT-310)	Ft Bragg, NC		SCHL-XXXX
MATC Work Center Supervisors Course	NATTC, FL	N23KCM2	SCHL-6030
MATC Maintenance Managers Course	NATTC, FL	N23KCN2	SCHL-6031
Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351	SCHL-6073
JRE-GW Operators' Course	Titan L3	N/A	SCHL 6079

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)

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.

COND-7400	3.0	365	B,R,M	ASLT/DASC	E	L/S

Goal. Employ an ASLT.

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 an ASLT to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASLT personnel
10. Conduct ASLT operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASLT operations supporting the DASC during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASLT Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. FSCC, air and fire support missions as defined by operational tempo level three, a DASC, S-1, S-2, S-3, S-4, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7405	3.0	365	B,R,M	ASE	E	L/S

Goal. Employ an ASE.

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 an ASE to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASE personnel
10. Conduct ASE operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASE operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASE Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions as defined by operational tempo three, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

4. Squadron SOP

COND-7410 3.0 365 B,R,M E L/S

Goal. Employ a DASC.

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 DASC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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. Emplace a DASC
11. Conduct DASC operations
12. Conduct crew evaluations
13. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct DASC operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Minimum of two CMMR DASC Crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7415 3.0 365 B,R,M E L/S

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

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 DASC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect DASC communication
3. Coordinate with the FSCC to provide DASC 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 DASC

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

Prerequisite.

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. MASS Detachment Commander, DASC Chief, security team, Representatives from the following sections: S-4, S-2, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-16.3, TTP for the Field Artillery Cannon Battery
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7420	3.0	365	B,R,M	DASC	E	L/S

Goal. Conduct Echelon Operations.

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, conduct echelon operations to include the following:

1. Continue DASC operations without pause or loss of situational awareness
2. Checklists for the transfer of control are on hand and are utilized

3. Deploy the echelon element to the new position
4. Brief the operational crew concerning their duties for passage of control
5. Establish and maintain DASC communications requirement
6. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
7. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
8. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft is verified
9. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft is verified
10. Review status of all Tactical Air and Assault Support requests and ensure they are plotted and on hand
12. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
13. Maintain continuous coordination with adjacent and higher agencies during preparation for and transfer of OAS/AS control, if required
14. Pass control of DASC functions to the echelon element
15. Notify the TACC, FSCC, and other agencies, as necessary, control has been passed
16. Recover the rear element into the DASC when echelon operations have concluded
17. Debrief with the DASC OIC and DASC Chief

Performance Standard. Perform the requirement items listed to conduct echelon operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Two CMMR DASC crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7425	3.0	365	B,R,M	DASC	E	S/L

Goal. Conduct Phasing of Control Ashore.

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, conduct phasing of control ashore to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Checklists for the transfer of control ashore are on hand and utilized
3. Review the procedures delineated in the operation plan/other directives for the phasing of control ashore and keeps the Naval Tactical Air Control Center informed of current status
5. Deploy ashore
6. Brief the operational crew concerning their duties for the passage of control
7. Establish and maintain DASC specific communication requirements
8. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
9. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
10. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft
11. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft
12. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
13. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
14. Ensure all requirements have been met and then advise the TACC (afloat) and FSCC that the DASC is prepared for the phasing of control of OAS/AS ashore
15. Ensure the preplanned sequence of phasing control of OAS/AS ashore is completed and the SAD acknowledges/produces any reports required
16. Advise CLF when ready to assume control of all or a portion of direct air support ashore (specify OAS, Assault Support, Air Recce, EW) at a specified date and time
17. Advise CLF that control has been transferred and the date/time group that transfer was accomplished
18. Advise the TACC (afloat)/TADC (ashore) and FSCC that the DASC now has control referencing date and time (local)
19. Maintain continuous coordination with adjacent and higher agencies
20. Notify all adjacent agencies when transfer of control is completed
21. As necessary, DASC/SACC liaison team provides further updates of information upon arrival at DASC site

Performance Standard. Perform the requirement items listed to conduct phasing control ashore during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. ASE, DASC

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, Navy TACC, FSCC, Marine TACC, LFOC, SACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP
4. MCWP 3-16.3, Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery, Chapter 2, Reconnaissance, Selection, and Occupation of a Position
5. JP 3-02.1 Joint Doctrine for Landing Forces Operations
6. MCWP 3-40.3 MAGTF Communications System

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	MACCS		1	2000
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000
ACPM	8007	MARINE UNMANNED AERIAL VEHICLE SQUADRON		4	2000
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000
ACPM	8020	ACE		1	3000
ACPM	8021	AVIATION OPERATIONS		4	3000
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	3000
ACPM	8024	ASSAULT SUPPORT		4	3000
ACPM	8025	AIR RECONNAISSANCE		4	3000
ACPM	8026	ELECTRONIC WARFARE		4	3000
ACPM	8027	ANTI-AIR WARFARE		4	3000
ACPM	8028	AVIATION GROUND SUPPORT		4	2000
ACPM	8040	THREAT		1	4000
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	4000
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	4000
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	4000
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	4000
ACPM	8060	MAGTF		1	3000
ACPM	8061	GROUND COMBAT OPERATIONS		4	3000
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	3000
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000
ACPM	8064	MAGTF COMMUNICATIONS		4	3000
ACPM	8065	PHASING CONTROL ASHORE		4	3000
ACPM	8066	INFORMATION MANAGEMENT		4	3000
ACPM	8067	UAS SUPPORT TO THE MAGTF		4	3000
ACPM	8080	JOINT AIR OPERATIONS		1	3000
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000
ACPM	8083	JOINT FIRE SUPPORT		4	3000
ACPM	8084	CLOSE AIR SUPPORT		4	3000
ACPM	8085	JOINT TARGETING		4	3000
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000

ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000
TOTAL ACPM STAGE			40	145	

4.17 T&R ATTAIN AND MAINTAIN TABLE

DASC MAINTENANCE MOS 5974											
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		
Utilize Multi-meter.	TMDE	2000	*	TMDE	2000					-	-
Utilize Ground Tester.	TMDE	2005	*	TMDE	2005					-	-
Utilize Tester	TMDE	2010	*	TMDE	2010					-	-
Describe unit specific shelters.	SHEL	2026	*	SHEL	2026					-	-
Emplace shelter.	SHEL	2028	*	SHEL	2028					2032	-
Establish grounds on unit specific shelters.	SHEL	2030	*	SHEL	2030					2028	-
Cable shelter for power.	SHEL	2032	*	SHEL	2032					-	-
Conduct SI-3 Inventory	PMCM	2050	*	PMCM	2050					-	-
Identify Purpose of PMCS	PMCM	2052	*	PMCM	2052					-	-
State the trouble-shooting procedure for MACCS TDS	PMCM	2054	*	PMCM	2054					-	-
Conduct Preventive Maintenance (PM)	PMCM	2056	*	PMCM	2056					2050, 2052, 2091, 2502	-
Initiate Corrective Maintenance (CM)	PMCM	2058	*	PMCM	2058					2054	
Maintenance Collateral Duties	CD	2075	*	CD	2075					-	-
Identify Calibration Program	CD	2077R	730	CD	2077R	CD	2077R	CD	2077R	-	-
Maintenance Mod Program	CD	2079R	730	CD	2079R	CD	2079R	CD	2079R	-	-
Maintenance Tool Control Program	CD	2081R	730	CD	2081R	CD	2081R	CD	2081R	2050	-
Maintenance Pub Library Program	CD	2083R	730	CD	2083R	CD	2083R	CD	2083R	-	-
Maintenance Safety Prog	CD	2085R	730	CD	2085R	CD	2085R	CD	2085R	-	-
MSDS	CD	2087R	365	CD	2087R	CD	2087R	CD	2087R	-	-

Embarkation Elements	CD	2089R	730	CD	2089R	CD	2089R	CD	2089R	-	-
Initiate a service request	CD	2091R	365	CD	2091R	CD	2091R	CD	2091R	2056, 2058	-
Equipment Record Jacket	CD	2093	*	CD	2093					2050	-
Setup Network Equipment.	NET	2100R	365	NET	2100R	NET	2100R	NET	2100R	-	-
Establish Local Area Network.	NET	2102R	365	NET	2102R	NET	2102R	NET	2102R	2100	-
Administer a network system	NET	2104R	365	NET	2104R	NET	2104R	NET	2104R	2100, 2102	-
Setup TDS Remote Equipment	TDSR	2125	*	TDSR	2125					2102	-
Install TDS remote	TDSR	2127	*	TDSR	2127					2102, 2125	-
ADMINISTER A NETWORK	TDSR	2129R	365	TDSR	2129R	TDSR	2129R	TDSR	2129R	2102, 2125, 2127	-
Identify a TBMCS Web Remote and the TDSA responsibilities	TBMCS	2150	*	TBMCS	2150					2102	-
Setup a TBMCS Web Remote workstation	TBMCS	2152	*	TBMCS	2152					2102, 2150	-
Install TBMCS Web Remote workstation	TBMCS	2154	*	TBMCS	2154					2102, 2150, 2152	-
Configure TBMCS Web Remote workstation	TBMCS	2156	*	TBMCS	2156					2102, 2150, 2152, 2154	-
Perform configuration management/systems administration on TBMCS Web Remote workstation	TBMCS	2158R	365	TBMCS	2158R	TBMCS	2158R	TBMCS	2158R	2102, 2150, 2152, 2154, 2156	-
Identify and state the purpose of Automated Data Processing Equipment (ADPE)	ADPE	2175	*	ADPE	2175					-	-

Install ADPE	ADPE	2177	*	ADPE	2177					2175	-
Install ADPE operating systems and software	ADPE	2179R	365	ADPE	2179R	ADPE	2179R	ADPE	2179R	2104, 2175, 2177, 2400	-
Configure ADPE	ADPE	2181	*	ADPE	2181					2104, 2175, 2177, 2179, 2400	-
Perform configuration management/systems configuration on ADPE	ADPE	2183R	365	ADPE	2183R	ADPE	2183R	ADPE	2183R	2104, 2175, 2177, 2179, 2181, 2400	-
Familiarization with Intelligence Operating System (IOS)	IOS	2200	*	IOS	2200					2104	-
Setup IOS Equipment.	IOS	2202	*	IOS	2202					2104, 2200, 2400	-
Install IOS software.	IOS	2204R	365	IOS	2204R	IOS	2204R	IOS	2204R	2104, 2200, 2202, 2400	-
Configure IOS.	IOS	2206R	365	IOS	2206R	IOS	2206R	IOS	2206R	2104, 2200, 2202, 2204, 2400	-
Perform configuration management/Systems Administration on IOS	IOS	2208R	365	IOS	2208R	IOS	2208R	IOS	2208R	2104, 2200, 2202, 2204, 2206, 2400, 2404	-
Identify an IOW	IOW	2225	*	IOW	2225					2104	-
Setup IOW Equipment.	IOW	2227	*	IOW	2227					2104, 2225	-
Install IOW software.	IOW	2229R	365	IOW	2229R	IOW	2229R	IOW	2229R	2104, 2225, 2227, 2404	-
Configure IOS.	IOW	2231R	365	IOW	2231R	IOW	2231R	IOW	2231R	2104, 2225, 2227, 2229, 2404	-
Perform configuration management / systems administration on IOW	IOW	2233R	365	IOW	2233R	IOW	2233R	IOW	2233R	2104, 2225, 2227, 2229, 2231, 2404	-

State HF, VF, and UHF frequency spectrums.	FAM	2250	*	FAM	2250					-	-
Describe HF, VF, UHF radio characteristics.	FAM	2252	*	FAM	2252					-	-
Define Tactical Data Links characteristics	FAM	2254	*	FAM	2254					-	-
Describe TAOM equipment groups	FAM	2256	*	FAM	2256					-	-
Describe ADCP equipment	FAM	2258	*	FAM	2258					-	-
Describe Commanders Tactical Terminal (CTT) equipment	FAM	2260	*	FAM	2260					-	-
Familiarization with AN/TPS-59 Radar equipment	FAM	2262	*	FAM	2262					-	-
Familiarization with AN/TPS-63 Radar equipment	FAM	2264	*	FAM	2264					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system	FAM	2266	*	FAM	2266					-	-
Familiarization with Advanced Field Artillery Tactical Data System (AFATDS)	AFATDS	2275	*	AFATDS	2275					2104	-
Setup AFATDS Equipment.	AFATDS	2277	*	AFATDS	2277					2104, 2275	-
Install AFATDS software.	AFATDS	2279R	365	AFATDS	2279R	AFATDS	2279R	AFATDS	2279R	2104, 2275, 2277	-
Configure AFATDS.	AFATDS	2281R	365	AFATDS	2281R	AFATDS	2281R	AFATDS	2281R	2104, 2275, 2277, 2279	-
Manage AFATDS	AFATDS	2283R	365	AFATDS	2283R	AFATDS	2283R	AFATDS	2283R	2104, 2275, 2277, 2279, 2281, 2404	-
Describe handling and storage of classified materials.	COMSEC	2300R	365	COMSEC	2300R	COMSEC	2300R	COMSEC	2300R	-	-

Familiar with physical security requirements	COMSEC	2302R	365	COMSEC	2302R	COMSEC	2302R	COMSEC	2302R	2300	-
Conduct crew change over security procedures.	COMSEC	2304R	365	COMSEC	2304R	COMSEC	2304R	COMSEC	2304R	2300, 2302, 2306, 2308	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2306R	365	COMSEC	2306R	COMSEC	2306R	COMSEC	2306R	2408	-
Utilize Simple Key Loader (SKL)	COMSEC	2308R	365	COMSEC	2308R	COMSEC	2308R	COMSEC	2308R	2408	-
Write a packing list and Equipment Density List (EDL)	DEPL	2325	*	DEPL	2325					-	-
Develop an embarkation plan	DEPL	2327	*	DEPL	2327					2325	-
Identify operational power requirements	DEPL	2329	*	DEPL	2329					-	-
Assist with developing and implementing crew schedules	DEPL	2331	*	DEPL	2331					-	-
Demonstrate Network Administration	OMGT	2400	*	OMGT	2400					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Demonstrate System Administration	OMGT	2402R	365	OMGT	2402R	OMGT	2402R	OMGT	2402R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Demonstrate Security Administration	OMGT	2404R	365	OMGT	2404R	OMGT	2404R	OMGT	2404R	-	-
Identify the purpose of key planning documents	OMGT	2406	*	OMGT	2406					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
State key sections of an operational order (OPORD)	OMGT	2408	*	OMGT	2408					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Determine required equipment to support a mission	OMGT	2410R	365	OMGT	2410R	OMGT	2410R	OMGT	2410R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Conduct a site survey	OMGT	2412R	1460	OMGT	2412R	OMGT	2412R	OMGT	2412R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Identify crew requirements and write a crew schedule	OMGT	2414R	365	OMGT	2414R	OMGT	2414R	OMGT	2414R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Determine supply support requirements	OMGT	2416	*	OMGT	2416					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Logistics Support Request (LSR)	OMGT	2418	*	OMGT	2418					-	-
Bill of Material (BOM)	OMGT	2420R	1460	OMGT	2420R	OMGT	2420R	OMGT	2420R	-	-
Ensure proper preparatory measures are taken for disposition of equipment	MMGT	2500	*	MMGT	2500					-	-
Create a Preventive Maintenance Checks and Services (PMCS) schedule	MMGT	2502	*	MMGT	2502					2052	-
Reconcile Global Combat Supply System (GCSS) reports	MMGT	2504	*	MMGT	2504					2091	-
Identify the float process	MMGT	2506R	1460	MMGT	2506R	MMGT	2506R	MMGT	2506R	-	-
Define the four major funding lines	MMGT	2508R	1460	MMGT	2508R	MMGT	2508R	MMGT	2508R	-	-
Induct new equipment into service	MMGT	2510	*	MMGT	2510					2050, 2077, 2091	-
Phase out equipment	MMGT	2512	*	MMGT	2512					2050, 2091	-

Ensure Quality Control (QC) procedures are being performed	MMGT	2514R	1460	MMGT	2514R	MMGT	2514R	MMGT	2514R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Inspect maintenance functional areas	MMGT	2516R	1460	MMGT	2516R	MMGT	2516R	MMGT	2516R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2524, 2528, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Identify the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)	MMGT	2518	*	MMGT	2518					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Submit a request for equipment using the Marine Corps Urgent Needs Process (MCUNP)	MMGT	2520	*	MMGT	2520					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Conduct a Consolidated Memorandum Report (CMR) Review	MMGT	2522R	1460	MMGT	2522R	MMGT	2522R	MMGT	2522R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Inventory Control Procedures	MMGT	2524R	1460	MMGT	2524R	MMGT	2524R	MMGT	2524R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2091, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Identify the functions of maintenance management	MMGT	2528	*	MMGT	2528					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Evaluate maintenance management reports	MMGT	2530	*	MMGT	2530					2091	-
Induct equipment into maintenance cycle	MMGT	2532	*	MMGT	2532					2050, 2091	-
Identify the maintenance and service support sections within the Marine Logistics Group (MLG)	MMGT	2534	*	MMGT	2534					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Describe BIOS settings	IAWFA	2600	*	IAWFA	2600					-	-

Differentiate between motherboard components, their purposes, and properties	IAWFA	2601	*	IAWFA	2601					-	-
Compare RAM types and features	IAWFA	2602	*	IAWFA	2602					-	-
Describe the configuration of expansion cards	IAWFA	2603	*	IAWFA	2603					-	-
Describe configuration of storage devices and appropriate media	IAWFA	2604	*	IAWFA	2604					-	-
Differentiate among various CPU types and features and the appropriate cooling method	IAWFA	2605	*	IAWFA	2605					-	-
Compare the purpose of various connection interfaces	IAWFA	2606	*	IAWFA	2606					-	-
Identify the appropriate power supply based on a given scenario	IAWFA	2607	*	IAWFA	2607					-	-
Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs	IAWFA	2608	*	IAWFA	2608					-	-

Given a scenario, evaluate types and features of display devices	IAWFA	2609	*	IAWFA	2609					-	-
Identify connector types and associated cables	IAWFA	2610	*	IAWFA	2610					-	-
Describe the configuration of various peripheral devices	IAWFA	2611	*	IAWFA	2611					-	-
Identify types of network cables and connectors	IAWFA	2612	*	IAWFA	2612					-	-
Categorize characteristics of connectors and cabling	IAWFA	2613	*	IAWFA	2613					-	-
Explain characteristics of TCP/IP	IAWFA	2614	*	IAWFA	2614					-	-
Explain common TCP and UDP ports, protocols, and their purpose	IAWFA	2615	*	IAWFA	2615					-	-
Compare wireless networking standards and encryption types	IAWFA	2616	*	IAWFA	2616					-	-
Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings	IAWFA	2617	*	IAWFA	2617					-	-
Compare Internet connection types and features	IAWFA	2618	*	IAWFA	2618					-	-

Identify various types of networks	IAWFA	2619	*	IAWFA	2619					-	-
Compare network devices their functions and features	IAWFA	2620	*	IAWFA	2620					-	-
Describe the use of appropriate networking tools	IAWFA	2621	*	IAWFA	2621					-	-
Describe the configuration of laptop hardware components	IAWFA	2622	*	IAWFA	2622					-	-
Compare the components within the display of a laptop	IAWFA	2623	*	IAWFA	2623					-	-
Compare laptop features	IAWFA	2624	*	IAWFA	2624					-	-
Explain the differences between the various printer types and imaging process	IAWFA	2625	*	IAWFA	2625					-	-
Describe the configuration of printers	IAWFA	2626	*	IAWFA	2626					-	-
Describe how to perform printer maintenance	IAWFA	2627	*	IAWFA	2627					-	-
Describe the appropriate safety procedures	IAWFA	2628	*	IAWFA	2628					-	-
Explain environmental impacts and the purpose of environmental controls	IAWFA	2629	*	IAWFA	2629					-	-

Describe proper communication and professionalism	IAWFA	2630	*	IAWFA	2630					-	-
Explain the fundamentals of dealing with prohibited content/activity	IAWFA	2631	*	IAWFA	2631					-	-
Compare the features and requirements of various Microsoft Operating Systems	IAWFA	2632	*	IAWFA	2632					-	-
Describe the configuration of the operating system using the most appropriate method	IAWFA	2633	*	IAWFA	2633					-	-
Describe appropriate command line tools	IAWFA	2634	*	IAWFA	2634					-	-
Use appropriate operating system features and tools	IAWFA	2635	*	IAWFA	2635					-	-
Use Control Panel utilities	IAWFA	2636	*	IAWFA	2636					-	-
Configure Windows networking on a client/desktop	IAWFA	2637	*	IAWFA	2637					-	-
Perform preventive maintenance procedures using appropriate tools	IAWFA	2638	*	IAWFA	2638					-	-

Explain the differences among basic OS security settings	IAWFA	2639	*	IAWFA	2639					-	-
Explain the basics of client-side virtualization	IAWFA	2640	*	IAWFA	2640					-	-
Apply and use common prevention methods	IAWFA	2641	*	IAWFA	2641					-	-
Compare common security threats	IAWFA	2642	*	IAWFA	2642					-	-
Implement security best practices to secure a workstation	IAWFA	2643	*	IAWFA	2643					-	-
Use the appropriate data destruction/disposal method	IAWFA	2644	*	IAWFA	2644					-	-
Secure a SOHO wireless network	IAWFA	2645	*	IAWFA	2645					-	-
Secure a SOHO wired network	IAWFA	2646	*	IAWFA	2646					-	-
Explain the basic features of mobile operating systems	IAWFA	2647	*	IAWFA	2647					-	-
Establish basic network connectivity and configure email	IAWFA	2648	*	IAWFA	2648					-	-
Compare methods for securing mobile devices	IAWFA	2649	*	IAWFA	2649					-	-
Compare hardware differences in regards to tablets and laptops	IAWFA	2650	*	IAWFA	2650					-	-

Execute and configure mobile device synchronization	IAWFA	2651	*	IAWFA	2651					-	-
Explain the troubleshooting theory	IAWFA	2652	*	IAWFA	2652					-	-
Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools	IAWFA	2653	*	IAWFA	2653					-	-
Troubleshoot hard drives and RAID arrays with appropriate tools	IAWFA	2654	*	IAWFA	2654					-	-
Troubleshoot common video and display issues	IAWFA	2655	*	IAWFA	2655					-	-
Troubleshoot wired and wireless networks with appropriate tools	IAWFA	2656	*	IAWFA	2656					-	-
Troubleshoot operating system problems with appropriate tools	IAWFA	2657	*	IAWFA	2657					-	-
Troubleshoot common security issues with appropriate tools and best practices	IAWFA	2658	*	IAWFA	2658					-	-
Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures	IAWFA	2659	*	IAWFA	2659					-	-

Troubleshoot printers with appropriate tools	IAWFA	2660	*	IAWFA	2660					-	-
Compare the layers of the OSI and TCP/IP models	IAWFN	2700	*	IAWFN	2700					-	-
Describe how applications, devices, and protocols relate to the OSI model layers	IAWFN	2701	*	IAWFN	2701					-	-
Explain the purpose and properties of IP addressing	IAWFN	2702	*	IAWFN	2702					-	-
Explain the purpose and properties of routing and switching	IAWFN	2703	*	IAWFN	2703					-	-
Identify common TCP and UDP default ports	IAWFN	2704	*	IAWFN	2704					-	-
Explain the function of common networking protocols	IAWFN	2705	*	IAWFN	2705					-	-
Summarize DNS concepts and its components	IAWFN	2706	*	IAWFN	2706					-	-
Implement network troubleshooting methodology	IAWFN	2707	*	IAWFN	2707					-	-
Identify virtual network components	IAWFN	2708	*	IAWFN	2708					-	-

Install and configure routers and switches	IAWFN	2709	*	IAWFN	2709					-	-
Install and configure a wireless network	IAWFN	2710	*	IAWFN	2710					-	-
Explain the purpose and properties of DHCP	IAWFN	2711	*	IAWFN	2711					-	-
Troubleshoot common wireless problems	IAWFN	2712	*	IAWFN	2712					-	-
Troubleshoot common router and switch problems	IAWFN	2713	*	IAWFN	2713					-	-
Implement a basic SOHO network	IAWFN	2714	*	IAWFN	2714					-	-
Categorize standard media types and associated properties	IAWFN	2715	*	IAWFN	2715					-	-
Categorize standard connector types based on network media	IAWFN	2716	*	IAWFN	2716					-	-
Compare different wireless standards	IAWFN	2717	*	IAWFN	2717					-	-
Categorize WAN technology types and properties	IAWFN	2718	*	IAWFN	2718					-	-
Describe different network topologies	IAWFN	2719	*	IAWFN	2719					-	-

Troubleshoot common physical connectivity problems	IAWFN	2720	*	IAWFN	2720					-	-
Compare different LAN technologies	IAWFN	2721	*	IAWFN	2721					-	-
Identify components of wiring distribution	IAWFN	2722	*	IAWFN	2722					-	-
Explain the purpose and features of various network appliances	IAWFN	2723	*	IAWFN	2723					-	-
Use appropriate hardware tools to troubleshoot connectivity issues	IAWFN	2724	*	IAWFN	2724					-	-
Use appropriate software tools to troubleshoot connectivity issues	IAWFN	2725	*	IAWFN	2725					-	-
Use the appropriate network monitoring resource to analyze traffic	IAWFN	2726	*	IAWFN	2726					-	-
Describe the purpose of configuration management documentation	IAWFN	2727	*	IAWFN	2727					-	-
Explain different methods and rationales for network performance optimization	IAWFN	2728	*	IAWFN	2728					-	-

Implement appropriate wireless security measures	IAWFN	2729	*	IAWFN	2729					-	-
Explain the methods of network access security	IAWFN	2730	*	IAWFN	2730					-	-
Explain methods of user authentication	IAWFN	2731	*	IAWFN	2731					-	-
Explain common threats, vulnerabilities, and mitigation techniques	IAWFN	2732	*	IAWFN	2732					-	-
Install and configure a basic firewall	IAWFN	2733	*	IAWFN	2733					-	-
Categorize different types of network security appliances and methods	IAWFN	2734	*	IAWFN	2734					-	-
Describe PC hardware	IAWFAT	2800R	1095	IAWFAT	2800R	IAWFA T	2800R	IAWFAT	2800R	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612	-
Describe networking concepts	IAWFAT	2802R	1095	IAWFAT	2802R	IAWFA T	2802R	IAWFAT	2802R	2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624	-
Describe laptop features and characteristics	IAWFAT	2804R	1095	IAWFAT	2804R	IAWFA T	2804R	IAWFAT	2804R	2625, 2626, 2627	-
Describe printer features and characteristics	IAWFAT	2806R	1095	IAWFAT	2806R	IAWFA T	2806R	IAWFAT	2806R	2628, 2629, 2630	-
Describe operational procedures	IAWFAT	2808R	1095	IAWFAT	2808R	IAWFA T	2808R	IAWFAT	2808R	2631, 2632, 2633, 2634	-

Describe operating systems	IAWFAT	2810R	1095	IAWFA T	2810R	IAWFA T	2810R	IAWFAT	2810R	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643	-
Describe security	IAWFAT	2812R	1095	IAWFA T	2812R	IAWFA T	2812R	IAWFAT	2812R	2644, 2645, 2646, 2647, 2648, 2649	-
Describe Mobile Devices	IAWFAT	2814R	1095	IAWFA T	2814R	IAWFA T	2814R	IAWFAT	2814R	2650, 2651, 2652, 2653, 2654	-
Describe Troubleshooting	IAWFAT	2816R	1095	IAWFA T	2816R	IAWFA T	2816R	IAWFAT	2816R	2655, 2656, 2657, 2658, 2659, 2660	-
Describe Networking Concepts	IAWFNT	2850R	1095	IAWFN T	2850R	IAWFN T	2850R	IAWFNT	2850R	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709	-
Describe Network Installation and Configuration	IAWFNT	2852R	1095	IAWFN T	2852R	IAWFN T	2852R	IAWFNT	2852R	2710, 2711, 2712, 2713, 2714, 2715	-
Describe Network Media and Topologies	IAWFNT	2854R	1095	IAWFN T	2854R	IAWFN T	2854R	IAWFNT	2854R	2716, 2717, 2718, 2719, 2720 2721, 2722, 2723	-
Describe Network Management	IAWFNT	2856R	1095	IAWFN T	2856R	IAWFN T	2856R	IAWFNT	2856R	2724, 2725, 2726, 2727, 2728, 2729	-
Describe Network Security	IAWFNT	2858R	1095	IAWFN T	2858R	IAWFN T	2858R	IAWFNT	2858R	2730, 2731, 2732, 2733, 2734	-
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		
Prepare system for embark	DEPL	3005R	730	DEPL	3005R	DEPL	3005R	DEPL	3005R	2050	-

Deploy a Maint Section ISO DASC	DEPL	3010R	730	DEPL	3010R	DEPL	3010R	DEPL	3010R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Identify assets to support the C2 mission	DEPL	3015	*	DEPL	3015					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-

ENSURE CM REPAIR PROCESS	MMGT	3100	*	MMGT	3100					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Validate float process.	MMGT	3105R	730	MMGT	3105R	MMGT	3105R	MMGT	3105R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-

Funding Requirements	MMGT	3110	*	MMGT	3110					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Provide input for the operational plan	OMGT	3200	*	OMGT	3200					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-

Organize and staff crew for deployment	OMGT	3205	*	OMGT	3205					2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Submit of a Bill of Material (BOM) request	OMGT	3210R	365	OMGT	3210R	OMGT	3210R	OMGT	3210R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Perform COMSEC handling procedures	OMGT	3215R	365	OMGT	3215R	OMGT	3215R	OMGT	3215R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015,	-

										3210, 3215, 3220, 3225, 3230, 6120	
Set up tactical data systems in the DASC	OMGT	3220R	1460	OMGT	3220R	OMGT	3220R	OMGT	3220R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production	OMGT	3225R	1460	OMGT	3225R	OMGT	3225R	OMGT	3225R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-
Perform tactical data systems integration	OMGT	3230R	1460	OMGT	3230R	OMGT	3230R	OMGT	3230R	2055, 2060, 2065, 2120, 2130, 2355, 2360, 2830, 2832, 3005, 3220, 6120	-

Identify Operational Requirements (OPORD)	OMGT	3235R	1095	OMGT	3235R	OMGT	3235R	OMGT	3235R	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-
Identify and describe concepts included in A+ exam 220-801	IAWFA	3400	1095	IAWFA	3400	IAWFA	3400	IAWFA	3400	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2800, 2802, 2804, 2806, 2808	-
Identify and describe concepts included in A+ exam 220-802	IAWFA	3405	1095	IAWFA	3405	IAWFA	3405	IAWFA	3405	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2810,	-

										2812, 2814, 2816	
Identify and describe concepts included in Network+ exam N10-005	IAWFN	3450	1095	IAWFN	3450	IAWFN	3450	IAWFN	3450	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858	-
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		
Describe Intel Links	INTEL	4000	*	INTEL	4000					-	-
Establish Intel Links	INTEL	4005	*	INTEL	4005					-	-
Design network architecture	NET	4100R	365	NET	4100R	NET	4100R	NET	4100R	-	-
Configure network security	TBMCS	4155R	365	TBMCS	4155R	TBMCS	4155R	TBMCS	4155R	-	-
Familiarization with Communications Data Link System (CDLS) and Theatre Battle Management Core System (TBMCS) Remote	TBMCS	4157	*	TBMCS	4157					-	-

Conduct TBMCS PRE-BUILD PHASE	TBMCS	4159R	365	TBMCS	4159R	TBMCS	4159R	TBMCS	4159R	-	-
Conduct TBMCS BUILD PHASE 1	TBMCS	4161R	365	TBMCS	4161R	TBMCS	4161R	TBMCS	4161R	-	-
Conduct TBMCS BUILD PHASE 2	TBMCS	4163R	365	TBMCS	4163R	TBMCS	4163R	TBMCS	4163R	-	-
Conduct TBMCS BUILD PHASE 3	TBMCS	4165R	365	TBMCS	4165R	TBMCS	4165R	TBMCS	4165R	-	-
Conduct TBMCS BUILD PHASE 4	TBMCS	4167R	365	TBMCS	4167R	TBMCS	4167R	TBMCS	4167R	-	-
Conduct TBMCS BUILD PHASE 5	TBMCS	4169R	365	TBMCS	4169R	TBMCS	4169R	TBMCS	4169R	-	-
Conduct TBMCS BUILD PHASE 6	TBMCS	4171R	365	TBMCS	4171R	TBMCS	4171R	TBMCS	4171R	-	-
Conduct TBMCS BUILD PHASE 7	TBMCS	4173R	365	TBMCS	4173R	TBMCS	4173R	TBMCS	4173R	-	-
Conduct TBMCS BUILD PHASE 8	TBMCS	4175R	365	TBMCS	4175R	TBMCS	4175R	TBMCS	4175R	-	-
Conduct TBMCS POST-CONFIG PHASE	TBMCS	4177R	365	TBMCS	4177R	TBMCS	4177R	TBMCS	4177R	-	-
Conduct TBMCS PATCH INSTALL	TBMCS	4179R	365	TBMCS	4179R	TBMCS	4179R	TBMCS	4179R	-	-
Conduct TBMCS VERIFICATION	TBMCS	4181R	365	TBMCS	4181R	TBMCS	4181R	TBMCS	4181R	-	-
Perform systems configuration / systems administration on TBMCS	TBMCS	4183R	365	TBMCS	4183R	TBMCS	4183R	TBMCS	4183R	-	-
Identify the Combat Operation Center (COC)	COC	4200	*	COC	4200					-	-
Setup COC Equipment	COC	4205	*	COC	4205					-	-
Install COC software	COC	4210	*	COC	4210					-	-

Conduct COC system administration / configuration management	COC	4215	*	COC	4215					-	-
Identify AN/USC-55A Commanders Tactical Terminal Hybrid 3 (CTT/H3)	CTT	4255	*	CTT	4255					-	-
Setup CTT Equipment	CTT	4260	*	CTT	4260					-	-
Administer CTT/H3 and associated data links	CTT	4265R	365	CTT	4265R	CTT	4265R	CTT	4265R	-	-
Familiarization with Common Connectivity Device (CCD)	CCD	4300	*	CCD	4300					-	-
Setup the CCD Equipment	CCD	4305	*	CCD	4305					-	-
Install CCD Software.	CCD	4310	*	CCD	4310					-	-
Perform configuration management / systems administration on the CCD	CCD	4315	365	CCD	4315	CCD	4315	CCD	4315	-	-
Familiarization with Link Management System – Multi Tactical Data Link (LMS-MT)	LMSMT	4355	*	LMSMT	4355					-	-
Setup the LMSMT Equipment	LMSMT	4360	*	LMSMT	4360					-	-
Install LMSMT Software.	LMSMT	4365	*	LMSMT	4365					-	-
Configure the LMS-MT	LMSMT	4370	*	LMSMT	4370					-	-

Perform configuration management / systems administration on the LMSMT	LMSMT	4375	365	LMSMT	4375	LMSMT	4375	LMSMT	4375	-	-
Familiarization with the Communications Data Link System (CDLS)	CDLS	4400	*	CDLS	4400					-	-
Setup the CDLS Equipment	CDLS	4405	*	CDLS	4405					-	-
Install CDLS Software.	CDLS	4410	*	CDLS	4410					-	-
Configure the CDLS	CDLS	4415	*	CDLS	4415					-	-
Perform configuration management / systems administration on the CDLS	CDLS	4420R	365	CDLS	4420R	CDLS	4420R	CDLS	4420R	-	-

4.18 T&R SYLLABUS MATRIX

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIRS	1070	Configure the PDS.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1071	Maintain data circuits with the PDS.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1072	Manage Windows based systems.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1074	Manage UNIX based systems.	B	E	G	-	-	-	*		0		0		0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
AIRS	1075	Manage Networked Operating Systems (NOS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1076	Configure the Communication Data-link System (CDLS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1077	Configure virtualized server computing environment.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1078	Configure TBMCS remotes.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1079	Configure Network Security.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1080	Configure Intelligence Operations Server (IOS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1081	Configure the Joint Range Extension (JRE).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1082	Establish Tactical Data Systems (TDS) Networks.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1083	Configure Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1084	Configure the Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1085	Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1086	Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1087	Establish Link-16.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1088	Establish Link-16.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1089	Establish Link-11.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1090	Establish Link-11B.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1091	Describe Windows based systems.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1092	Describe UNIX based systems.	B	E	G	-	-	-	*		0		0		0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
AIRS	1093	Describe Tactical Data Systems (TDS) Networks.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1094	Describe Networked Operating Systems (NOS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1095	Describe Network Security concepts.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1096	Describe Link-11.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1097	Describe Link-11B.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1098	Describe Link-16.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1099	Describe Joint Range Extension Application Protocol (JREAP).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1100	Describe Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1101	Describe Intelligence Operations Server (IOS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1102	Describe TBMCS.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1103	Describe a virtualized server computing environment.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1104	Identify Tactical Data Systems Technician duties at MACCS agencies.	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1105	Describe the Combat Operations Center (COC).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1106	Describe Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
AIRS	1120	Describe functions of the Marine Air Command and Control System (MACCS).	B	E	G	-	-	-	*		0		0		0	-	-	-	-
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										37	0	0	0	0	0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
TEST MEASUREMENT DIAGNOSTICS EQUIPMENT (TMDE)																			
TMDE	2000	Utilize Multi-meter.	B	-	L	-	-	D	*		0.0		0		1.0	-	-	-	-
TMDE	2005	Utilize Ground Tester.	B	-	L	-	-	D	*		0.0		0		2.0	-	-	-	-
TMDE	2010	Utilize Tester	B	-	L	-	-	D	*		0.0		0		2.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
TOTAL CORE SKILL TEST MEASUREMENT DIAGNOSTIC EQUIPMENT STAGE (TMDE)									0	0.0	0	0	3	5.0					
SHELTERS (SHEL)																			
SHEL	2026	Describe unit specific shelters.	B	-	L	-	-	-	*		0.0		0		10.0	-	-	-	-
SHEL	2028	Emplace shelter.	B	-	L	-	-	-	*		0.0		0		2.0	2032	-	-	-
SHEL	2030	Establish grounds on unit specific shelters.	B	-	L		-	-	*		0.0		0		4.0	2028	-	-	-
SHEL	2032	Cable shelter for power.	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
TOTAL SHELTERS STAGE (SHEL)									0	0.0	0	0	4	18					
PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)																			
PMCM	2050	Conduct SI-3 Inventory	B	-	L	-	-	-	*		0.0		0		2	-	-	-	-
PMCM	2052	Indetify Purpose of PMCS	B	-	L	-	-	-	*		0.0		0		1.5	-	-	-	-
PMCM	2054	State the trouble-shooting procedure for MACCS TDS	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
PMCM	2056	Conduct Preventive Maintenance (PM)	B	-	L	-	-	-	*		0.0		0		8.0	2050, 2052, 2091, 2502	-	-	-
PMCM	2058	Initiate Corrective Maintenance (CM)	B	-	L	-	-	-	*		0.0		0		2.0	2054			
TOTAL PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE SKILLS STAGE (PMCM)									0	0.0	0	0	5	16					
COLLATERAL DUTIES (CD)																			
CD	2075	Maintenance Collateral Duties	B	-	L	-	-	-	*		0.0		0		8.0	-	-	-	-
CD	2077	Identify Calibration Program	B,R, M	-	L	-	-	-	730		0.0		0		1.0	-	-	-	-
CD	2079	Maintenance Mod Program	B,R, M	-	L	-	-	-	730		0.0		0		2.0	-	-	-	-
CD	2081	Maintenance Tool Control Program	B,R, M	-	L	-	-	-	730		0.0		0		2.0	2050	-	-	-
CD	2083	Maintenance Pub Library Program	B,R, M	-	L	-	-	-	730		0.0		0		2.0	-	-	-	-
CD	2085	Maintenance Safety Prog	B,R, M	-	L	-	-	-	730		0.0		0		2.0	-	-	-	-
CD	2087	MSDS	B,R, M	-	L	-	-	-	365		0.0		0		2.0	-	-	-	-
CD	2089	Embarkation Elements	B,R, M	-	L	-	-	-	730		0.0		0		3.0	-	-	-	-
CD	2091	Initiate a service request	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2056, 2058	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CD	2093	Equipment Record Jacket	B	-	L	-	-	-	*		0.0		0		1	2050	-	-	-
TOTAL COLLATERAL DUTIES SKILLS STAGE (CD)										0	0.0	0	0	10	25				
NETWORK (NET)																			
NET	2100	Setup Network Equipment.	B,R, M	-	L	-	-	D	365		0.0		0		8.0	-	-	-	-
NET	2102	Establish Local Area Network.	B,R, M	-	L	-	-	D	365		0.0		0		8.0	2100	-	-	-
NET	2104	Administer a network system	B,R, M	-	L	-	-	D	365		0.0		0		19.0	2100, 2102	-	-	-
TOTAL NETWORK SKILLS STAGE (NET)										0	0.0	0	0	3	35				
TDS REMOTE (TDSR)																			
TDSR	2125	Setup TDS Remote Equipment	B	-	L	-	-	D	*		0.0		0		16.0	2102	-	-	-
TDSR	2127	Install TDS remote	B	-	L	-	-	D	*		0.0		0		8.0	2102, 2125	-	-	-
TDSR	2129	ADMINISTER A NETWORK	B,R, M	-	L	-	-	D	365		0.0		0		19.0	2102, 2125, 2127	-	-	-
TOTAL TDS REMOTE (TDSR) SKILLS STAGE										0	0.0	0	0	3	43				
THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)																			
TBMCS	2150	Identify a TBMCS Web Remote and the TDSA responsibilities	B	-	L	-	-	-	*		0.0		0		2.0	2102	-	-	-
TBMCS	2152	Setup a TBMCS Web Remote workstation	B	-	L	-	-	-	*		0.0		0		4.0	2102, 2150	-	-	-
TBMCS	2154	Install TBMCS Web Remote workstation	B	-	L	-	-	-	*		0.0		0		3.0	2102, 2150, 2152	-	-	-
TBMCS	2156	Configure TBMCS Web Remote workstation	B	-	L	-	-	-	*		0.0		0		4.0	2102, 2150, 2152, 2154	-	-	-
TBMCS	2158	Perform configuration management/systems administration on TBMCS Web Remote workstation	B,R, M	-	L	-	-	-	365		0.0		0		4.0	2102, 2150, 2152, 2154, 2156	-	-	-
TOTAL THEATER BATTLE MANAGEMENT CORE SYSTEM SKILLS STAGE (TBMCS)										0	0.0	0	0	5	17				
AUTOMATED DATA PROCESSING EQUIPMENT (ADPE)																			
ADPE	2175	Identify and state the purpose of Automated Data Processing Equipment (ADPE)	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
ADPE	2177	Install ADPE	B	-	L	-	-	-	*		0.0		0		2.0	2175	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
ADPE	2179	Install ADPE operating systems and software	B,R, M	-	L	-	-	-	365		0.0		0		8.0	2104, 2175, 2177, 2400	-	-	-
ADPE	2181	Configure ADPE	B	-	L	-	-	-	*		0.0		0		8.0	2104, 2175, 2177, 2179, 2400	-	-	-
ADPE	2183	Perform configuration management/systems configuration on ADPE	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2104, 2175, 2177, 2179, 2181, 2400	-	-	-
TOTAL AUTOMATED DATA PROCESSING EQUIPMENT SYSTEM SKILLS STAGE (ADPE)										0	0.0	0	0	5	22				
INTELLIGENCE OPERATIONS SERVER (IOS)																			
IOS	2200	Familiarization with Intelligence Operating System (IOS)	B	-	L	-	-	-	*		0.0		0		2.0	2104	-	-	-
IOS	2202	Setup IOS Equipment.	B	-	L	-	-	-	*		0.0		0		2.0	2104, 2200, 2400	-	-	-
IOS	2204	Install IOS software.	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2104, 2200, 2202, 2400	-	-	-
IOS	2206	Configure IOS.	B,R, M	-	L	-	-	-	365		0.0		0		3.0	2104, 2200, 2202, 2204, 2400	-	-	-
IOS	2208	Perform configuration management/ Systems Administration on IOS	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2104, 2200, 2202, 2204, 2206, 2400, 2404	-	-	-
TOTAL INTELLIGENCE OPERATIONS SERVER SKILLS STAGE (IOS)										0	0.0	0	0	5	11				
INTELLIGENCE OPERATIONS WORKSTATION (IOW)																			
IOW	2225	Identify an IOW	B	-	L	-	-	-	*		0.0		0		2.0	2104	-	-	-
IOW	2227	Setup IOW Equipment.	B	-	L	-	-	-	*		0.0		0		2.0	2104, 2225	-	-	-
IOW	2229	Install IOW software.	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2104, 2225, 2227, 2404	-	-	-
IOW	2231	Configure IOS.	B,R, M	-	L	-	-	-	365		0.0		0		3.0	2104, 2225, 2227, 2229, 2404	-	-	-
IOW	2233	Perform configuration management / systems administration on IOW	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2104, 2225, 2227, 2229, 2231, 2404	-	-	-
TOTAL INTELLIGENCE OPERATIONS WORKSTATION SKILLS STAGE (IOW)										0	0.0	0	0	5	11				
FAMILIARIZATION (FAM)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
FAM	2250	State HF, VF, and UHF frequency spectrums.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
FAM	2252	Describe HF, VF, UHF radio characteristics.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
FAM	2254	Define Tactical Data Links characteristics	B	-	L	-	-	-	*		0		0		3.0	-	-	-	-
FAM	2256	Describe TAOM equipment groups	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2258	Describe ADCP equipment	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2260	Describe Commanders Tactical Terminal (CTT) equipment	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2262	Familiarization with AN/TPS-59 Radar equipment	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2264	Familiarization with AN/TPS-63 Radar equipment	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
FAM	2266	Describe the Identification Friend or Foe (IFF) MK XII interrogator system	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)										0	0.0	0	0	10	13				
ADVANCED FIELD ARTILLERY TACTICAL DATA (AFATDS)																			
AFATDS	2275	Familiarization with Advanced Field Artillery Tactical Data System (AFATDS)	B	-	L	-	-	-	*		0.0		0		2.0	2104	-	-	-
AFATDS	2277	Setup AFATDS Equipment.	B	-	L	-	-	-	*		0.0		0		2.0	2104, 2275	-	-	-
AFATDS	2279	Install AFATDS software.	B,R,M	-	L	-	-	-	365		0.0		0		2.0	2104, 2275, 2277	-	-	-
AFATDS	2281	Configure AFATDS.	B,R,M	-	L	-	-	-	365		0.0		0		2.0	2104, 2275, 2277, 2279	-	-	-
AFATDS	2283	Manage AFATDS	B,R,M	-	L	-	-	-	365		0.0		0		2.0	2104, 2275, 2277, 2279, 2281, 2404	-	-	-
TOTAL ADVANCED FIELD ARTILLERY TACTICAL DATA SKILLS STAGE (AFATDS)										0	0.0	0	0	5	10				
COMMUNICATIONS SECURITY (COMSEC)																			
COMSEC	2300	Describe handling and storage of classified materials.	B,R,M	-	L	-	-	-	365		0.0		0		2.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
COMSE C	2302	Familiar with physical security requirements	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2300	-	-	-
COMSE C	2304	Conduct crew change over security procedures.	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2300, 2302, 2306, 2308	-	-	-
COMSE C	2306	Extract key material information from EKMS COMSEC callout.	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2408	-	-	-
COMSE C	2308	Utilize Simple Key Loader (SKL)	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2408	-	-	-
TOTAL COMMUNICATIONS SECURITY SKILLS STAGE (COMSEC)										0	0.0	0	0	5	10				
DEPLOYMENT (DEPL)																			
DEPL	2325	Write a packing list and Equipment Density List (EDL)	B	-	L	-	-	-	*		0.0		0		8.0	-	-	-	-
DEPL	2327	Develop an embarkation plan	B	-	L	-	-	-	*		0.0		0		6.0	2325	-	-	-
DEPL	2329	Identify operational power requirements	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
DEPL	2331	Assist with developing and implementing crew schedules	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
TOTAL DEPLOYMENT SKILLS STAGE (DEPL)										0	0.0	0	0	4	20				
OPERATIONS MANAGEMENT (OMGT)																			
OMGT	2400	Demonstrate Network Administration	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
																3215, 3220, 3225, 3230, 6120			
OMGT	2402	Demonstrate System Administration	B,R, M	-	L	-	-	-	365		0.0		0		4.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	2404	Demonstrate Security Administration	B,R, M	-	L	-	-	-	365		0.0		0		3.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	2406	Identify the purpose of key planning documents	B	-	L	-	-	-	*		0.0		0		4.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	2408	State key sections of an operational order (OPORD)	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	2410	Determine required equipment to support a mission	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	2412	Conduct a site survey	B,R, M	-	L	-	-	-	1460		0.0		0		4.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	2414	Identify crew requirements and write a crew schedule	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	2416	Determine supply support requirements	B	-	L	-	-	-	*		0.0		0		3.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	2418	Logistics Support Request	B	-	L	-	-	-	*		0.0		0		1.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
		(LSR)																	
OMGT	2420	Bill of Material (BOM)	B,R, M	-	L	-	-	-	1460		0.0		0		2.0	-	-	-	-
TOTAL OPERATIONS MANAGEMENT SKILLS STAGE (OMGT)										0	0.0	0	0	11	29				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2500	Ensure proper preparatory measures are taken for disposition of equipment	B	-	L	-	-	-	*		0.0		0		3.0	-	-	-	-
MMGT	2502	Create a Preventive Maintenance Checks and Services (PMCS) schedule	B	-	L	-	-	-	*		0.0		0		1.0	2052	-	-	-
MMGT	2504	Reconcile Global Combat Supply System (GCSS) reports	B	-	L	-	-	-	*		0.0		0		4.0	2091	-	-	-
MMGT	2506	Identify the float process	B,R, M	-	L	-	-	-	1460		0.0		0		2.0	-	-	-	-
MMGT	2508	Define the four major funding lines	B,R, M	-	L	-	-	-	1460		0.0		0		2.0	-	-	-	-
MMGT	2510	Induct new equipment into service	B	-	L	-	-	-	*		0.0		0		2.0	2050, 2077, 2091	-	-	-
MMGT	2512	Phase out equipment	B	-	L	-	-	-	*		0.0		0		2.0	2050, 2091	-	-	-
MMGT	2514	Ensure Quality Control (QC) procedures are being performed	B,R, M	-	L	-	-	-	1460		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	2516	Inspect maintenance functional areas	B,R, M	-	L	-	-	-	1460		0.0		0		16.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2524, 2528, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
MMGT	2518	Identify the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)	B	-	L	-	-	-	*		0.0		0		16.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	2520	Submit a request for equipment using the Marine Corps Urgent Needs Process (MCUNP)	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
MMGT	2522	Conduct a Consolidated Memorandum Report (CMR) Review	B,R, M	-	L	-	-	-	1460		0.0		0		40.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	2524	Inventory Control Procedures	B,R, M	-	L	-	-	-	1460		0.0		0		1.5	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2091, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
MMGT	2528	Identify the functions of maintenance management	B	-	L	-	-	-	*		0.0		0		13.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
MMGT	2530	Evaluate maintenance	B	E	L	-	-	-	*		0.0		0		3.0	2091	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
		management reports																	
MMGT	2532	Induct equipment into maintenance cycle	B	E	L	-	-	-	*		0.0		0		1.0	2050, 2091	-	-	-
MMGT	2534	Identify the maintenance and service support sections within the Marine Logistics Group (MLG)	B	-	L	-	-	-	*		0.0		0		1.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-
TOTAL MAINTENANCE MANAGEMENT SKILLS STAGE (MMGT)										0	0.0	0	0	17	112				

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE																			
IAWFA	2600	Describe BIOS settings	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2601	Differentiate between motherboard components, their purposes, and properties	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2602	Compare RAM types and features	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2603	Describe the configuration of expansion cards	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2604	Describe configuration of storage devices and appropriate media	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2605	Differentiate among various CPU types and features and the appropriate cooling method	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2606	Compare the purpose of various connection interfaces	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2607	Identify the appropriate power supply based on a given scenario	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2608	Evaluate the appropriate components for a custom configuration, to meet customer specifications or needs	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2609	Given a scenario, evaluate types and features of display devices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2610	Identify connector types and associated cables	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2611	Describe the configuration of various peripheral devices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2612	Identify types of network cables and connectors	B	E	L	-	-	-	*		0		0		1	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
IAWFA	2613	Categorize characteristics of connectors and cabling	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2614	Explain characteristics of TCP/IP	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2615	Explain common TCP and UDP ports, protocols, and their purpose	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2616	Compare wireless networking standards and encryption types	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2617	Describe the installation, configuration, and deployment of a SOHO wireless/wired router using appropriate settings	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2618	Compare Internet connection types and features	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2619	Identify various types of networks	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2620	Compare network devices their functions and features	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2621	Describe the use of appropriate networking tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2622	Describe the configuration of laptop hardware components	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2623	Compare the components within the display of a laptop	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2624	Compare laptop features	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2625	Explain the differences between the various printer types and imaging process	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2626	Describe the configuration of printers	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2627	Describe how to perform printer maintenance	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2628	Describe the appropriate	B	E	L	-	-	-	*		0		0		1	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
		safety procedures																	
IAWFA	2629	Explain environmental impacts and the purpose of environmental controls	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2630	Describe proper communication and professionalism	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2631	Explain the fundamentals of dealing with prohibited content/activity	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2632	Compare the features and requirements of various Microsoft Operating Systems	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2633	Describe the configuration of the operating system using the most appropriate method	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2634	Describe appropriate command line tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2635	Use appropriate operating system features and tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2636	Use Control Panel utilities	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2637	Configure Windows networking on a client/desktop	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2638	Perform preventive maintenance procedures using appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2639	Explain the differences among basic OS security settings	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2640	Explain the basics of client-side virtualization	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2641	Apply and use common prevention methods	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2642	Compare common security threats	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2643	Implement security best practices to secure a	B	E	L	-	-	-	*		0		0		1	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
		workstation																	
IAWFA	2644	Use the appropriate data destruction/disposal method	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2645	Secure a SOHO wireless network	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2646	Secure a SOHO wired network	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2647	Explain the basic features of mobile operating systems	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2648	Establish basic network connectivity and configure email	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2649	Compare methods for securing mobile devices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2650	Compare hardware differences in regards to tablets and laptops	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2651	Execute and configure mobile device synchronization	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2652	Explain the troubleshooting theory	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2653	Troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2654	Troubleshoot hard drives and RAID arrays with appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2655	Troubleshoot common video and display issues	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2656	Troubleshoot wired and wireless networks with appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2657	Troubleshoot operating system problems with appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
IAWFA	2658	Troubleshoot common security issues with appropriate tools and best practices	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2659	Troubleshoot, and repair common laptop issues while adhering to the appropriate procedures	B	E	L	-	-	-	*		0		0		1	-	-	-	-
IAWFA	2660	Troubleshoot printers with appropriate tools	B	E	L	-	-	-	*		0		0		1	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+ (IAWFA) STAGE										0	0	0	0	61	61				
INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE																			
IAWFN	2700	Compare the layers of the OSI and TCP/IP models	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2701	Describe how applications, devices, and protocols relate to the OSI model layers	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2702	Explain the purpose and properties of IP addressing	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2703	Explain the purpose and properties of routing and switching	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2704	Identify common TCP and UDP default ports	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2705	Explain the function of common networking protocols	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2706	Summarize DNS concepts and its components	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2707	Implement network troubleshooting methodology	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2708	Identify virtual network components	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2709	Install and configure routers and switches	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2710	Install and configure a wireless network	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2711	Explain the purpose and	B	E	L	-	-	-	*		0		0		2	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
		properties of DHCP																	
IAWFN	2712	Troubleshoot common wireless problems	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2713	Troubleshoot common router and switch problems	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2714	Implement a basic SOHO network	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2715	Categorize standard media types and associated properties	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2716	Categorize standard connector types based on network media	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2717	Compare different wireless standards	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2718	Categorize WAN technology types and properties	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2719	Describe different network topologies	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2720	Troubleshoot common physical connectivity problems	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2721	Compare different LAN technologies	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2722	Identify components of wiring distribution	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2723	Explain the purpose and features of various network appliances	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2724	Use appropriate hardware tools to troubleshoot connectivity issues	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2725	Use appropriate software tools to troubleshoot connectivity issues	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2726	Use the appropriate network monitoring resource to analyze traffic	B	E	L	-	-	-	*		0		0		2	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
IAWFN	2727	Describe the purpose of configuration management documentation	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2728	Explain different methods and rationales for network performance optimization	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2729	Implement appropriate wireless security measures	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2730	Explain the methods of network access security	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2731	Explain methods of user authentication	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2732	Explain common threats, vulnerabilities, and mitigation techniques	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2733	Install and configure a basic firewall	B	E	L	-	-	-	*		0		0		2	-	-	-	-
IAWFN	2734	Categorize different types of network security appliances and methods	B	E	L	-	-	-	*		0		0		2	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NET+(IAWFN) STAGE										0	0	0	0	35	70				
INFORMATION ASSURANCE WORK FORCE A+ TEST(IAWFAT) STAGE																			
IAWFAT	2800	Describe PC hardware	B,R, M	E	L	-	-	-	1095		0		0		1	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612	-	-	-
IAWFAT	2802	Describe networking concepts	B,R, M	E	L	-	-	-	1095		0		0		1	2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624	-	-	-
IAWFAT	2804	Describe laptop features and characteristics	B,R, M	E	L	-	-	-	1095		0		0		1	2625, 2626, 2627	-	-	-
IAWFAT	2806	Describe printer features and characteristics	B,R, M	E	L	-	-	-	1095		0		0		1	2628, 2629, 2630	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
IAWFAT	2808	Describe operational procedures	B,R, M	E	L	-	-	-	1095		0		0		1	2631, 2632, 2633, 2634	-	-	-
IAWFAT	2810	Describe operating systems	B,R, M	E	L	-	-	-	1095		0		0		1	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643	-	-	-
IAWFAT	2812	Describe security	B,R, M	E	L	-	-	-	1095		0		0		1	2644, 2645, 2646, 2647, 2648, 2649	-	-	-
IAWFAT	2814	Describe Mobile Devices	B,R, M	E	L	-	-	-	1095		0		0		1	2650, 2651, 2652, 2653, 2654	-	-	-
IAWFAT	2816	Describe Troubleshooting	B,R, M	E	L	-	-	-	1095		0		0		1	2655, 2656, 2657, 2658, 2659, 2660	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+ TEST(IAWFAT) STAGE										0	0	0	0	9	9				
INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE																			
IAWFNT	2850	Describe Networking Concepts	B,R, M	E	L	-	-	-	1095		0		0		1	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709	-	-	-
IAWFNT	2852	Describe Network Installation and Configuration	B,R, M	E	L	-	-	-	1095		0		0		1	2710, 2711, 2712, 2713, 2714, 2715	-	-	-
IAWFNT	2854	Describe Network Media and Topologies	B,R, M	E	L	-	-	-	1095		0		0		1	2716, 2717, 2718, 2719, 2720 2721, 2722, 2723	-	-	-
IAWFNT	2856	Describe Network Management	B,R, M	E	L	-	-	-	1095		0		0		2	2724, 2725, 2726, 2727, 2728, 2729	-	-	-
IAWFNT	2858	Describe Network Security	B,R, M	E	L	-	-	-	1095		0		0		2	2730, 2731, 2732, 2733, 2734	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+ TEST (IAWFNT) STAGE										0	0	0	0	5	7				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0	0	0	21 0	543				

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
DEPLOYMENT SKILLS STAGE (DEPL)																			
DEPL	3005	Prepare system for embark	B,R, M	-	L	-	-	-	730		0.0		0		8.0	2050	-	-	-
DEPL	3010	Deploy a Maint Section ISO DASC	B,R, M	-	L	-	-	-	730		0.0		0		8.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
DEPL	3015	Identify assets to support the C2 mission	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-
TOTAL DEPLOYMENT SKILLS STAGE (DEPL)										0	0.0	0	0	3	18				
MAINTENANCE MANAGEMENT SKILLS STAGE (MMGT)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	3100	ENSURE CM REPAIR PROCESS	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	3105	Validate float process.	B,R, M	-	L	-	-	-	730		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
MMGT	3110	Funding Requirements	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-
TOTAL MAINTENANCE MANAGEMENT SKILLS STAGE (MMGT)										0	0.0	0	0	3	6				
OPERATIONS MANAGEMENT SKILLS STAGE (OMGT)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	3200	Provide input for the operational plan	B	-	L	-	-	-	*		0.0		1		0.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	3205	Organize and staff crew for deployment	B	-	L	-	-	-	*		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	3210	Submit of a Bill of Material (BOM) request	B,R, M	-	L	-	-	-	365		0.0		0		2.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	3215	Perform COMSEC handling procedures	B,R, M	-	L	-	-	-	365		0.0		0		1.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	3220	Set up tactical data systems in the DASC	B,R, M	-	L	-	-	-	1460		0.0		0		16.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
OMGT	3225	Ensure safety procedures and precautions are followed during embarkation, set-up, and maintenance production	B,R, M	-	L	-	-	-	1460		0.0		0		24.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
OMGT	3230	Perform tactical data systems integration	B,R, M	-	L	-	-	-	1460		0.0		0		16.0	2055, 2060, 2065, 2120, 2130, 2355, 2360, 2830, 2832, 3005, 3220, 6120	-	-	-
OMGT	3235	Identify Operational Requirements (OPORD)	B,R, M	-	L	-	-	-	1095		0.0		0		40.0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125	-	-	-
TOTAL OPERATIONS MANAGEMENT SKILLS STAGE (OMGT)										0	0.0	1	1	7	101				

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA)																			
IAWFA	3400	Identify and describe concepts included in A+ exam 220-801	B,R, M	E	L	-	-	-	1095		0		0		2	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2800, 2802, 2804, 2806, 2808	-	-	-
IAWFA	3405	Identify and describe concepts included in A+ exam 220-802	B,R, M	E	L	-	-	-	1095		0		0		2	2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2810, 2812, 2814, 2816	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA)										0	0	0	0	2	4				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFN)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
IAWFN	3450	Identify and describe concepts included in Network+ exam N10-005	B,R, M	E	L	-	-	-	1095		0		0		2	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFN)										0	0	0	0	1	2				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	1	1	16	131	-	-	-	-
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
INTELLIGENCE LINKS (INTEL)																			
INTEL	4000	Describe Intel Links	B	E	L	-	-	-	*		0.0		0		3.0	-	-	-	-
INTEL	4005	Establish Intel Links	B	E	L	-	-	-	*		0.0		0		3.0	-	-	-	-
TOTAL NETWORK SKILLS STAGE (NET)										0	0.0	0	0	2	6				
NETWORK (NET)																			
NET	4100	Design network architecture	B,R, M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TOTAL NETWORK SKILLS STAGE (NET)										0	0.0	0	0	1	4				
THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)																			
TBMCS	4155	Configure network security	B,R, M	-	L	-	-	-	365		0.0		0		19.0	-	-	-	-
TBMCS	4157	Familiarization with Communications Data Link System (CDLS) and Theatre Battle Management Core System (TBMCS) Remote	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
TBMCS	4159	Conduct TBMCS PRE-BUILD PHASE	B,R,M	-	L	-	-	-	365		0.0		0		3.0	-	-	-	-
TBMCS	4161	Conduct TBMCS BUILD PHASE 1	B,R,M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TBMCS	4163	Conduct TBMCS BUILD PHASE 2	B,R,M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TBMCS	4165	Conduct TBMCS BUILD PHASE 3	B,R,M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TBMCS	4167	Conduct TBMCS BUILD PHASE 4	B,R,M	-	L	-	-	-	365		0.0		0		6.0	-	-	-	-
TBMCS	4169	Conduct TBMCS BUILD PHASE 5	B,R,M	-	L	-	-	-	365		0.0		0		2.0	-	-	-	-
TBMCS	4171	Conduct TBMCS BUILD PHASE 6	B,R,M	-	L	-	-	-	365		0.0		0		12.0	-	-	-	-
TBMCS	4173	Conduct TBMCS BUILD PHASE 7	B,R,M	-	L	-	-	-	365		0.0		0		6.0	-	-	-	-
TBMCS	4175	Conduct TBMCS BUILD PHASE 8	B,R,M	-	L	-	-	-	365		0.0		0		2.0	-	-	-	-
TBMCS	4177	Conduct TBMCS POST-CONFIG PHASE	B,R,M	-	L	-	-	-	365		0.0		0		12.0	-	-	-	-
TBMCS	4179	Conduct TBMCS PATCH INSTALL	B,R,M	-	L	-	-	-	365		0.0		0		24.0	-	-	-	-
TBMCS	4181	Conduct TBMCS VERIFICATION	B,R,M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TBMCS	4183	Perform systems configuration / systems administration on TBMCS	B,R,M	-	L	-	-	-	365		0.0		0		12.0	-	-	-	-
TOTAL THEATER BATTLE MANAGEMENT CORE SYSTEM SKILLS STAGE (TBMCS)										0	0.0	0	0	15	116				
COMBAT OPERATIONS CENTER (COC)																			
COC	4200	Identify the Combat Operation Center (COC)	B	-	L	-	-	-	*		0.0		0		8.0	-	-	-	-
COC	4205	Setup COC Equipment	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
COC	4210	Install COC software	B	-	L	-	-	-	*		0.0		0		8.0	-	-	-	-
COC	4215	Conduct COC system administration / configuration management	B	-	L	-	-	-	*		0.0		0		8.0	-	-	-	-
TOTAL COMBAT OPERATIONS CENTER (COC) SKILLS STAGE										0	0.0	0	0	4	28				
COMMANDERS TACTICAL TERMINAL/HYBRID 3 (CTT)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CTT	4255	Identify AN/USC-55A Commanders Tactical Terminal Hybrid 3 (CTT/H3)	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
CTT	4260	Setup CTT Equipment	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
CTT	4265	Administer CTT/H3 and associated data links	B,R, M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TOTAL COMMANDERS TACTICAL TERMINAL/HYBRID 3 (CTT) SKILLS STAGE										0	0.0	0	0	3	10				
COMMON CONNECTIVITY DEVICE (CCD)																			
CCD	4300	Familiarization with Common Connectivity Device (CCD)	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
CCD	4305	Setup the CCD Equipment	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
CCD	4310	Install CCD Software.	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
CCD	4315	Perform configuration management / systems administration on the CCD	B,R, M	-	L	-	-	-	365		0.0		0		2.0	-	-	-	-
TOTAL COMMON CONNECTIVITY DEVICE SKILLS STAGE (CCD)										0	0.0	0	0	4	10				
LINK MANAGEMENT SYSTEM-MULTI TDL (LMSMT)																			
LMSMT	4355	Familiarization with Link Management System – Multi Tactical Data Link (LMS-MT)	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
LMSMT	4360	Setup the LMSMT Equipment	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
LMSMT	4365	Install LMSMT Software.	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
LMSMT	4370	Configure the LMS-MT	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
LMSMT	4375	Perform configuration management / systems administration on the LMSMT	B,R, M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TOTAL LINK MANAGEMENT SYSTEM-MULTI TDL (LMSMT) SKILLS STAGE										0	0.0	0	0	5	16				
COMMUNICATION DATALINK SYSTEM (CDLS)																			
CDLS	4400	Familiarization with the Communications Data Link System (CDLS)	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
CDLS	4405	Setup the CDLS Equipment	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-
CDLS	4410	Install CDLS Software.	B	-	L	-	-	-	*		0.0		0		2.0	-	-	-	-
CDLS	4415	Configure the CDLS	B	-	L	-	-	-	*		0.0		0		4.0	-	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CDLS	4420	Perform configuration management / systems administration on the CDLS	B,R, M	-	L	-	-	-	365		0.0		0		4.0	-	-	-	-
TOTAL COMMUNICATION DATALINK SYSTEM (CDLS) SKILLS STAGE										0	0.0	0	0	5	16				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0	0	0	39	206				
TOTAL 2000, 3000, AND 4000 PHASE										0	0	1	1	26 5	880				
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	Recommend ed by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0.0		0		1	Recommend ed by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0.0		0		2	Recommend ed by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0.0	0	0	3	5				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0.0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0.0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0.0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R, M	-	G	-	-	D	365		0.0		0		2	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0.0	0	0	4	8				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0.0	0	0	7	13				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
QUAL	6100	C2SA ON TBMCS WEB REMOTE	B,R, M	E	L	-	-	-	1095		0.0		0		8	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2100, 2102, 2104, 2129, 2150, 2152, 2154, 2156, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
QUAL	6105	C2SA ON IOW	B,R, M	E	L	-	-	-	1095		0.0		0		8	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2225, 2227, 2229, 2231, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
															3015, 3210, 3215, 3220, 3225, 3230, 6120				
QUAL	6110	IOS SYSTEM ADMINISTRATOR	B,R, M	E	L	-	-	-	1095		0.0		0		8 				

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
QUAL	6115	AFATDS SYSTEM ADMINISTRATOR	B,R, M	E	L	-	-	-	1095		0.0		0		8	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2275, 2277, 2279, 2281, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
QUAL	6120	TDSBT	B,R, M	E	L	-	-	-	1095		0.0		0		8	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
QUAL	6125	TDSAT	B,R, M	E	L	-	-	-	1095		0.0		0		8	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2327, 2329, 2331, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2500, 2502, 2504, 2506, 2508, 2510, 2512, 2514, 2516, 2518, 2520, 2522, 2524, 2526, 2528, 2530, 2532, 2534, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120	-	-	-
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0.0	0	0	6	48				
CERTIFICATION (CERT)																			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CERT	6200	COMPTIA A+ Technician	B,R, M	E	L	-	-	-	1095		0		0		8	2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 3400, 3405			

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
CERT	6205	COMPTIA Network+ Technician	B,R, M	E	L	-	-	-	1095		0		0		8	2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2734, 2850, 2852, 2854, 2856, 2858, 3450			
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	2	16				
DESIGNATIONS (DESG)																			
DESG	6320	Basic Instructor (BI)	B	-	L	-	-	-	*		0.0		0		0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
																5000, 5010, 5020, 6120			
DESG	6321	Senior Instructor (SI)	B	-	L	-	-	-	*		0.0		0		0	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6120, 6320	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
DESG	6500	TDS MAINTENANCE CHIEF	B	-	L	-	-	-	*		0.0		0		0	2000, 2005, 2010, 2055, 2060, 2065, 2070, 2105, 2110, 2115, 2120, 2125, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2200, 2205, 2210, 2265, 2320, 2355, 2360, 2365, 2370, 2375, 2420, 2475, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2570, 2575, 2600, 2605, 2610, 2615, 2620, 2655, 2660, 2665, 2670, 2700, 2705, 2710, 2715, 2720, 2725, 2730, 2735, 2740, 2750, 2755, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
															2832, 2834, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3005, 3010, 3015, 3100, 3105, 3110, 3200, 3205, 3210, 3215, 3220, 3225, 3230, 3235, 6120, 6125				

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
DESG	6505	SAFETY CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2085, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
DESG	6510	HAZMAT CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2087, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
															6120				
DESG	6515	PUB CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2083, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
DESG	6520	TRAINING CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6120, 6320, 6321	-	-	-
DESG	6525	TOOLS CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2081, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
															2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120				
DESG	6530	CAL CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2077, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
DESG	6535	MOD CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2079, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-	-
DESG	6540	EMBARK CD	B	-	L	-	-	-	*		0.0		0		2	2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2089, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230,	-	-	-

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
															6120				
DESG	6545	GCSS CD	B	-	L	-	-	-	*		0.0		0		2 2000, 2002, 2004, 2030, 2050, 2052, 2054, 2056, 2058, 2075, 2091, 2093, 2104, 2129, 2158, 2183, 2208, 2233, 2283, 2302, 2304, 2308, 2325, 2331, 2404, 2418, 2420, 2502, 2504, 2506, 2510, 2514, 2530, 2532, 3005, 3015, 3210, 3215, 3220, 3225, 3230, 6120	-	-		

[illegible]

DASC MAINTENANCE MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			CON D	REFL Y	GROUND/ ACADEMI C EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE S	CHAI N	EVENT CONV
	COD E	TITLE			TYP E	#	OPTIO N			#	TIM E	#	TIM E	#	TIM E				
TOTAL DESIGNATIONS STAGE (DESG)										0	0.0	0	0	13	20				
SCHOOL CODES STAGE (SCHL)																			
SCHL	6013	Systems Administrator	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6014	Network Administrator	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6020	Link 16 Interoperability Course (JT-101)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6022	United States Message Text Formatting (USMTF) Course (JT-105)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6023	Link 16 Planner Course (JT-201)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6024	USMTF Manager Course (JT-205)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6026	Joint Interface Control Officer (JICO) (JT-301)	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6027	Advanced JICC Operator Course (JT-310)	B	-	-	-	-	L	*		0.0		0		0.0				
SCHL	6030	MATC Work Center Supervisors Course	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6031	MATC Maintenance Managers Course	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6073	Micro miniature Electronic Repair	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
SCHL	6079	JRE-GW Operators’ Course	B	-	-	-	-	L	*		0.0		0		0.0	-	-	-	-
TOTAL SCHOOL CODES STAGE (SCHL)										0	0.0	0	0	14	0.0				
TOTAL REQUIREMENTS, QUALIFICATIONS, CERTIFCATIONS, AND DESIGNATIONS PHASE (RQCD)										0	0	0	0	35	84				

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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

AIR COMMAND AND CONTROL OFFICER MOS 7202
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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THIS CHAPTER RESERVED FOR FUTURE USE

CHAPTER 6

AIR SUPPORT CONTROL OFFICER (ASCO) MOS 7208
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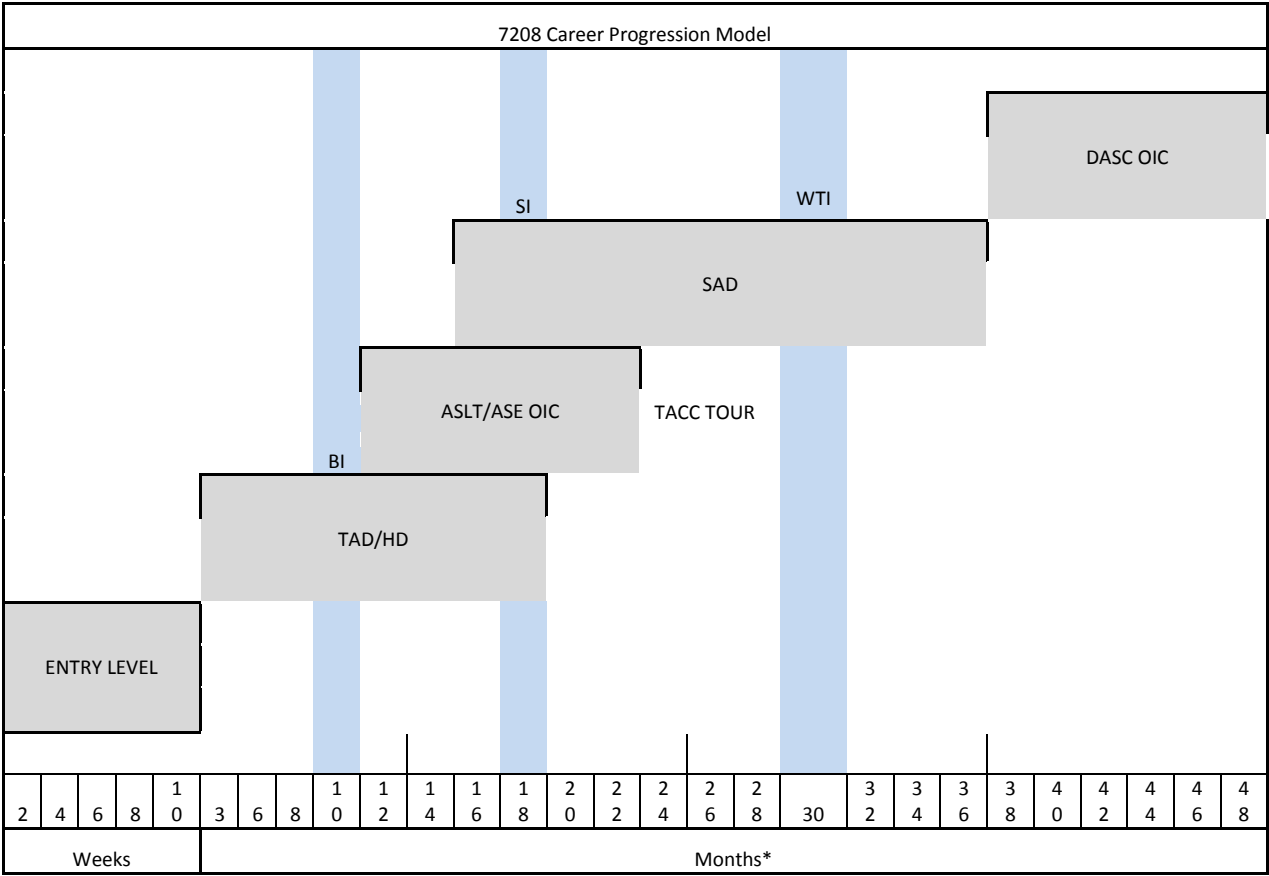
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CHAPTER 6

AIR SUPPORT CONTROL OFFICER (ASCO) MOS 7208
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

6.0 ASOO 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 ASCO TRAINING PROGRESSION MODEL. This model represents the recommended training progression for the average 7208 crew member. 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

AIR SUPPORT OPERATIONS OPERATOR (7208)
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS
CORE SKILL (2000 Phase)

ACAD	ACADEMIC
ASE	AIR SUPPORT ELEMENT
ASLT	AIR SUPPORT LIAISON TEAM
C2SYS	COMMAND AND CONTROL SYSTEMS
COMM	COMMUNICATIONS
CTRL	PROCEDURAL CONTROL
DOIC	DASC OFFICER IN CHARGE
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
SAD	SENIOR AIR DIRECTOR
MISSION SKILL (3000 Phase)	
HD	HELICOPTER DIRECTOR
TAD	TACTICAL AIR DIRECTOR
SAD	SENIOR AIR DIRECTOR
ASLT	AIR SUPPORT LIAISON TEAM
ASE	AIR SUPPORT ELEMENT
DOIC	DASC OFFICER IN CHARGE
CORE PLUS (4000 Phase)	
ACAD	ACADEMIC
TDL	TACTICAL DATA LINKS
ASE	AIR SUPPORT ELEMENT
ASLT	AIR SUPPORT LIAISON TEAM
SAD	SENIOR AIR DIRECTOR
DOIC	DASC OFFICER IN CHARGE
FAM	FAMILIARIZATION
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)	
HD	HELICOPTER DIRECTOR
TAD	TACTICAL AIR DIRECTOR
SAD	SENIOR AIR DIRECTOR
DASC OIC	DASC OFFICER IN CHARGE
ASLT OIC	AIR SUPPORT LIAISON TEAM OFFICER IN CHARGE
MISSION ESSENTIAL TASK (MET) (7000 Phase)	
COND	CONDITION

6.3 DEFINITIONS

TERM	DEFINITION
Core Model	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
Core Skill	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.
Mission Skill	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.
Core Plus Skill	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.
Core Plus Mission	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.
Core Skill Proficiency (CSP)	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.
Mission Skill Proficiency (MSP)	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.
Core Plus Skill Proficiency (CPSP)	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
Core Plus Mission Proficiency (CPMP)	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
MET Phase	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/CPMP serves as the foundation for developing proficiency requirements in DRRS.

6.4.2 Crew position proficiency, or core skill, is a "Yes/No" status assigned to a Marine based on their CMMR currency and proficiency. When an individual attains and maintains crew position proficiency, the Marine is eligible to count towards Unit CMMR.

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 NAVMC 3500.14_, Chapter 2 of the Aviation Program Manual for amplifying information on POI updating.

DASC MOS 7208					
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		ACAD	
	2005				
	2010				
	2015				
	2020				
	2025				
	2030				
	2035				
	2040				
	2045				
	2050				
	2055				
	2060				
	2065				
COMM	2115	COMM		COMM	
	2120				
	2130				
EQUIP	2150	EQUIP		EQUIP	
	2155				
	2160				
	2165				

	2170				
ASE	2200	ASE		ASE	
	2205R		2205R		2205R
	2210R		2210R		2210R
	2215R		2215R		2215R
	2220				
	2225				
ASLT	2250	ASLT		ASLT	
	2255R		2255R		2255R
	2260R		2260R		2260R
DOIC	S2300	DOIC		DOIC	
	2305				
	S2310				
	2315				
	2320				
FAM	2350	FAM		FAM	
	2355				
	2360				
	2365				
	2370				
	2375				
CTRL	2400	CTRL		CTRL	
	2405R		2405R		2405R
	2410				
	2415				
	2420				
	2425R		2425R		2425R
SAD	2450	SAD		SAD	
	S2455				
	2460				
	2465				
	2470				
	2475				
C2SYS	2900	C2SYS		C2SYS	
	2901				
	2902				
	2903				
	2904				
	2913				
	2917				
	2920				

	2921				
	2940				
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
HD	HD-3000	HD		HD	
	HD-3005				
	HD-3010R		HD-3010R		HD-3010R
	HD-3015				
	HD-3020				
TAD	TAD-3100	TAD		TAD	
	TAD-3105				
	TAD-3110R		TAD-3110R		TAD-3110R
	TAD-3115				
	TAD-3120				
SAD	SAD-3200	SAD		SAD	
	SAD-3205				
	SAD-3210R		SAD-3210R		SAD-3210R
	SAD-3215				
	SAD-3220				
	SAD-3225R		SAD-3225R		SAD-3225R
	SAD-S3230R		SAD-S3230R		SAD-S3230R
	SAD-S3235R		SAD-S3235R		SAD-S3235R
	SAD-S3240R		SAD-S3240R		SAD-S3240R
ASLT	ASLT-3300R	ASLT	ASLT-3300R	ASLT	ASLT-3300R
ASE	ASE-3350R	ASE	ASE-3350R	ASE	ASE-3350R
	ASE-3400R		ASE-3400R		ASE-3400R
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	4000	ACAD		ACAD	
	4005				
TDL	S4050	TDL		TDL	
	S4075				
ASE	4100	ASE		ASE	
SAD	4150	SAD		SAD	
DOIC	S4200	DOIC		DOIC	
FAM	4300	FAM		FAM	
	4305				
	4310				

	4315				
C2SYS	4923	C2SYS		C2SYS	
	4941				
	4942				
"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. 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

DASC 7208 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5100, 5110, 5120, 5130, M-SHARP FORMAL TRAINING, 6320
WEAPONS AND TACTICS INSTRUCTOR (WTI)	SCHL 6000

6.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS

DASC 7208 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualify as a Helicopter Director (HD) (QUAL-6230)	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 8000, 8020, 8040, 8062
Qualify as a Tactical Air Director (TAD) (QUAL-6235)	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 8000, 8020, 8040, 8062
Qualify as a Senior Air Director (SAD) (QUAL-6240)	2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060 OR 2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250 AND 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 6230, 6235, 8000, 8020, 8040, 8060
Qualify as an ASLT OIC (ASLT OIC) (QUAL-6245)	2250, 2255, 2260, 3300, 8000, 8020, 8060
Qualify as an ASE OIC (ASE OIC) (QUAL-6250)	2200, 2205, 2210, 2215, 2220, 2225, 3350

Designation as a DASC OIC (DESG-6300)	2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060 OR 2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250 AND 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060
Basic Instructor (DESG-6320)	5000, 5010, 5020
Senior Instructor (DESG-6321)	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320
Designation as a Weapons and Tactics Instructor (WTI) (DESG-6322)	6000

6.6 7208 PROGRAMS OF INSTRUCTION

6.6.1 BASIC POI

DASC 7208 BASIC POI		
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
1-10	CORE SKILL INTRODUCTION TRAINING	MCCES
11-34	CORE SKILL TRAINING	TACTICAL SQUADRON
35-104	MISSION SKILL TRAINING	TACTICAL SQUADRON
105-208	CORE PLUS	TACTICAL SQUADRON

6.6.2 REFRESHER POI

DASC 7208 REFRESHER POI		
WEEKS ¹	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.
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 conducted in the simulator, the 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	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.

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 classroom entry-level instruction to develop the basic skills necessary for an officer to have a general working knowledge on the characteristics, capabilities, limitations, and operations of DASC related systems and equipment that Air Support Control Officers are required

to operate. This training is complete upon graduation from the Air Support Control Officer Course (ASCOC). Upon completion the Marine is designated MOS 7208.

6.9.2 General

6.9.2.1 Admin Notes. Air Support Control Officer Course (CID M09T0A1) located at Marine Corps Communication-Electronics School (MCCES) in 29 Palms, CA.

6.9.2.2 Prerequisites. Meet the 7208 requirements delineated in MCO 1200.16 (Military Occupational Specialties (MOS) Manual).

6.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase.

PAR NO.	STAGE NAME
6.9.3	AIR SCHOOL (AIRS)

6.9.3 AIR SCHOOL (AIRS)

6.9.3.1 Purpose. To teach the Marine Officer in the required skills to perform as a basic Air Support Control Officer, MOS 7208.

6.9.3.2 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-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.

References.

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-1100 * B E G

Goal. Identify Components of MAGTF Operations.

Requirement. Identify the following:

1. Identify MAGTF Composition.
2. Identify the composition and mission of the Marine Division
3. Identify the types of Expeditionary Operations and how/when the DASC phases control ashore.
4. Identify the purpose of the FSCC and its composition.
5. Identify how Supporting Arms are used within the MAGTF, specific to direct air support operations.

Performance Standard. Pass an exam.

Reference.

1. JP 3-09, Joint Fire Support
2. JP 1-02, Joint Dictionary of Definition and Terms
3. MCDP 1-0 Operations
4. MCDP 3, Expeditionary Operations
5. MCWP 3-25, Control of Aircraft and Missiles
6. MCWP 3-25.5, Direct Air Support Center Handbook
7. MCWP 3-43.1, Radio Operations
8. MCWP 3-16, Fire Support Coordination in the Ground Combat Element
9. MCRP 5-12C, Marine Corps Supplement to DOD dictionary of military and associated terms

AIRS-1102 * B E G

Goal. Identify how the Marine Aircraft Wing supports the MAGTF.

Requirement. Identify the following:

1. Identify the concepts for aviation support to the MAGTF.
2. Identify squadron nomenclature and missions assigned.
3. Identify Marine Wing composition.
4. Identify Manned and Unmanned Aircraft capabilities and limitations.

5. Identify Aviation Ordinance.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-2
3. MCWP 3-25.5
4. MCRP 3-16.6A
5. MCRP 5-12C
6. DASC Pocket Checklist Section

AIRS-1104	*	B	E	G

Goal. Identify Offensive Air Support (OAS)

Requirement. Identify the following:

1. Identify purpose of OAS.
2. Identify requirements for Deep Air Support (DAS).
3. Identify requirements for Close Air Support (CAS).
4. Identify the differences between immediate and pre-planned OAS.
5. Identify Marine Corps airframes that have the primary mission of OAS.
6. Identify the unit(s)/agency(ies) within the MACG/MACCS that coordinate(s) OAS.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-23
3. MCWP 3-23.2
4. JP 3-09.3
5. MCWP 3-25.5
6. MCRP 3-16.6A
7. MCRP 5-12C
8. DASC Pocket Checklist Section 9

AIRS-1106	*	B	E	G

Goal. Identify Assault Support

Requirement. Identify the following:

1. Identify the purpose of Assault Support.
2. Identify the sub-categories of Assault Support.
3. Identify the differences between immediate and pre-planned Assault Support.
4. Identify Marine Corps airframes that have the primary mission of Assault Support.
5. Identify the unit(s)/agency(ies) within the MACG/MACCS that coordinate(s) Assault Support.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-50
3. MCWP 3-11.4
4. MCWP 3-2
5. MCWP 3-24
6. MCWP 3-25.5
7. MCRP 5-12C
8. DASC Pocket Checklist

AIRS-1108 * B E G

Goal. Identify Aerial Reconnaissance

Requirement. Identify the following:

1. Identify the purpose of aerial reconnaissance.
2. Identify the two types of aerial reconnaissance.
3. Identify which aviation platforms can conduct aerial reconnaissance.
4. Identify the unit and system within the MACG that has the primary mission of aerial reconnaissance.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-26
3. MCWP 3-25.5
4. MCWP 3-42.1
5. MCRP 5-12C
6. DASC Pocket Checklist

AIRS-1110 * B E G

Goal. Identify Anti-Air Warfare (AAW)

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

1. Identify the definition of AAW.
2. Identify the two types of AAW.
3. Identify which units within the MACG have the primary mission of AAW.
4. Identify the Marine Corps' air defense systems for conducting AAW operations.
5. Identify the basic construct of an Integrated Air Defense System (IADS).
6. Identify alert conditions.
7. Identify Air Defense Communication/data link methods.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-01
3. MCWP 3-2

4. MCWP 3-22
5. MCWP 3-25.5
6. MCRP 3-25E
7. MCRP 5-12C
8. DASC Pocket Checklist Section 10

AIRS-1112 * B E G

Goal. Identify Electronic Warfare (EW)

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

1. Identify the definition and purpose for EW.
2. Identify the sub-sets of EW.
3. Identify which units within the Marine Corps conduct EW.
4. Identify the procedures used within the DASC to report enemy Electronic Attack operations.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-13.1
3. MCWP 3-22.2
4. MCRP 3-22.2A
5. MCWP 3-25.5
6. MCWP 3-40.5
7. MCRP 5-12C
8. DASC Pocket Checklist

AIRS-1114 * B E G

Goal. Identify Control of Aircraft and Missiles

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

1. Identify the Marine Corps' philosophy for Command and Control.
2. Identify the purpose for Control of Aircraft and Missiles.
3. Identify the structure of the MACCS and each agency's purpose.
4. Identify which agencies of the MACCS utilize positive control.
5. Identify which agencies of the MACCS utilize procedural control.
6. Identify agencies responsible for command and control of expeditionary operations.
7. Identify the definitions of Air Direction and Air Control.
8. Become familiar with the Theater Air Ground System (TAGS).
9. Become familiar with the doctrine for command and control of expeditionary operations.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-02
3. JP 3-30
4. JP 3-52
5. MCDP 3
6. MCWP 3-25
7. MCWP 3-25.5
8. MCRP 5-12C
9. DASC Pocket Checklist
10. FM 3-52.2 Theater Air Ground System (MTTP)

AIRS-1116 * B E G

Goal. Identify threats to the MAGTF

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

1. Surface-to-air threats
 - a. Categories of AAA.
 - b. Categories of SAMs (MANPADs, Optical and RF Guided).
2. Air-to-ground threats
 - a. F/W
 - b. R/W
3. Surface-to-surface threats
 - a. Armor
 - b. APC
 - c. Artillery

Performance Standard. Pass an exam.

Reference.

1. AFTTP 3-1
2. Section 10 of the DASC Pocket Checklist.

AIRS-1118 * B E G

Goal. React to threats affecting DASC Operations

Requirement. React to the following:

1. Surface-to-air threats
2. Air-to-ground threats
3. Surface-to-surface threats

Performance Standard. Pass an exam.

Reference.

1. AFTTP 3-1
2. Section 10 of the DASC Pocket Checklist.

AIRS-1120 * B E G

Goal. Extract critical information from operations documents for the DASC.

Requirement. With the aid of references, perform the following:

1. Extract direct air support information from an Air Tasking Order (ATO).
2. Extract direct air support information from an Airspace Control Order (ACO).
3. Extract Multi TDL Network information from an OPTASK LINK.
4. Extract information from ANNEX K of an Operations Order.
5. Extract direct air support communication information from the ACEOI.
6. Identify the communication path established between agencies

Performance Standard. With the aid of reference, pass a practical application exam without error.

Reference.

1. JP 6-0, Communications Systems
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.3, MACCS Handbook
4. MWCP 3-25.5, DASC Handbook
5. MCWP 3-40.1, MAGTF C2
6. MCWP 3-40.2, Information Management
7. MCWP 3-40.3, MAGTF Communication System
8. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
9. DISA USMTF Baseline,
<https://www.us.army.mil/suite/community/15897960>
10. CJCSM 6120.01, Joint Multi TDL Operating Procedures
11. MILSTD 6040

AIRS-1122 * B E G

Goal. State the proper procedures for handling and storage of classified materials.

Requirement. Without the aid of reference, 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.

Performance Standard. Pass an exam.

Reference .

1. MCO P5510.1A
2. SECNAVINST 5510
2. EKMS-1_

AIRS-1124 * B E G

Goal. Identify Air Support Communications Equipment

Requirement. Identify each of the following:

1. DASC Single Channel Radio Equipment, to include:
 - a. Receiver/Transmitter Nomenclatures
 - b. Frequency Spectrum(s)
 - c. Cryptographic Security Capabilities
 - d. Transmission Security Capabilities
 - e. Data Capabilities
 - f. Radio Set Nomenclatures
 - g. Communication Range
 - h. Power Requirements
 - i. Antenna Configurations
2. Common Aviation Command and Control System (CAC2S) Equipment, to include:
 - a. The Process and Display System
 - i. Components of an Operational Facility
 - ii. Operational Facility emplacement options
 - iii. Components of the Warfighter Console
 - b. The Communication System.
 - i. The radio components within a Communication System
 - ii. The antenna components within a Communication System
 - iii. Identify the number of external radios sets available per Communication System.

Performance Standard. Without the aid of reference, pass a practical application test.

Reference.

1. TM 11927A-OR, AN/PRC-117G
2. TM 10597A-OR/4, AN/PRC-117F
3. SL-3-10597A, AN/PRC-117F
4. TM 10822A-OR, AN/PRC-150
5. SL-3-10822A, AN/PRC-150
6. SL-3-11305A, AN/TRC-209A
7. SL-3-11216A, AN/MRC-148
8. TM 11255A-OR/1, AN/VRC-103
9. TM 10746B-OI/23, AN/PRC-148
10. TM 11496A-OI/3, AN/PRC-152
11. SL-3-11496A, AN/VRC-110
12. SL-3-09730B, AN/MRC-145
13. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1126 * B E G

Goal. Identify the purpose of Common Aviation Command and Control System (CAC2S) components.

Requirement. Identify the purpose of each of the following:

1. Process and Display System.
2. Data Link equipment.
3. Command Tactical Picture equipment.
4. Multi-Source Correlator Tracker.
5. Communication System.

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%.

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1128	*	B	E	G

Goal. Conduct communications utilizing CAC2S

Requirement. With the aid of reference, perform the following:

1. Prepare a communication device for operation.
2. Conduct inter-system communication.
3. Configure a radio to receive.
4. Configure a radio transmit.
5. Operate a radio network.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. MCWP 3-40.3, MAGTF Communication System
2. CJCSM 3320.02B Joint Spectrum Interference Resolution (JSIR) Procedures
3. KTCL Handling and Operating Instructions
4. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1130	*	B	E	G

Goal. Conduct Information Security during DASC operations

Requirement. With the aid of reference, perform the following:

1. Define information security.
2. Identify the components of information security.
3. Define communications security (COMSEC).
4. Identify the purpose of cryptographic security (CRYPTOSEC).
5. Identify the purpose of cryptographic keys.
6. Identify the purpose of code words.
7. Identify the purpose of user encryption keys.
8. Conduct message encryption.
9. Conduct message decryption.
10. Identify source documents for code words.

11. Identify the purpose of transmission security (TRANSSEC).
12. Describe the theory of frequency hopping operations.
13. Identify the purpose of radio discipline.
14. Identify the purpose of Radio/Telephone procedures.
15. Identify the purpose of brevity code words.
16. Describe the meaning of a given direct air support brevity code word.
17. Describe the appropriate response to enemy jamming.
18. Describe the method to report enemy jamming.
19. Identify the purpose of user authentication systems.
20. Conduct user authentication.
21. Conduct user time authentication.
22. Identify the purpose for disbursing communications equipment.
23. Identify the security concerns for wire transmissions.
24. Describe emission security techniques.
25. Define physical security.
26. Describe physical security measures.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. MCWP 3-40.3, MAGTF Communication System
2. CJCSM 3320.02B Joint Spectrum Interference Resolution (JSIR) Procedures
3. KTCL Handling and Operating Instructions
4. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1132	*	B	E	G

Goal. Plot direct air support information.

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

1. Locate a MGRS coordinate.
2. Plot a MGRS coordinate
3. Locate a Latitude/Longitude coordinate.
4. Plot a Latitude/Longitude coordinate
5. Plot friendly/enemy units using appropriate symbols.
6. Plot FSCM/ACMs using appropriate symbols.
7. Plot DASC specific symbols (JTAR/ASR/etc...).
8. Plot direct air support information using J Series track options.
9. Maintain TAD/HD Aircraft mission status boards.
10. Locate tracks using Global Area Reference System (GARS)

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist
3. MCRP 5-2A (Operational Terms and Graphics)
4. MIL-STD-6016, TDL 16 Interface Standard
5. TM 12041A/12050A-OD2, CAC2S User Manual
6. JP 2-03, Geospatial Intelligence Support to Joint Operations

AIRS-1134 * B E G

Goal. Receive and process immediate air support requests.

Requirement. Conduct the following:

1. Receive and process JTARs.
2. Receive and process ASRs.
3. Receive and process CASEVACs.
4. Exchange direct air support information with requesting unit.
5. Identify the components of the request forms.

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist

AIRS-1136 * B E G

Goal. Operate Tactical Display Framework (TDF)

Requirement. With the aid of reference, perform the following:

1. Check system connectivity.
2. Configure the software for operation.
3. Load an Air Tasking Order.
4. Load an Airspace Control Order.
5. Load map data.
6. Configure track tags.
7. Configure track details.
8. Configure a track list.
9. Apply local display filters.
10. Import Common Tactical Picture Overlays.
11. Utilize system overlays.
12. Hook tracks.
13. Utilize range-bearing lines.
14. Create a track.
15. Create a direct air support request.

Performance Standard. With the aid of reference, pass a performance based exam with a minimum score of 80%.

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual
2. MSCT Display User's Manual

AIRS-1138 * B E G

Goal. Operate Joint Tactical Common Operational Picture Workstation (JTCW) Client.

Requirement. Perform the following:

1. Start JTCW client
2. Configure the client for operation
3. Configure a Client to Gateway connection
4. Load injector managers required for DASC operations
5. Load map data
6. Load an Airspace Control Order
7. Create overlays
8. Manage overlays
9. Share overlays
10. Apply local display filters
11. Utilize range-bearing lines
12. Configure track details
13. Create a track

Performance Standard. Without the aid of reference, pass a performance based exam with a minimum score of 80%.

Reference.

1. Software User's Manual (SUM) for Command and Control PC (C2PC)
2. TM 12041A/12050A-OD2, CAC2S User Manual

AIRES-1144	*	B	E	G

Goal. Familiarize the operator on Theater Battle Management Core System (TBMCS) for direct air support operations

Requirement. Utilizing a TBMCS terminal, and without the aid of references, perform the following:

1. Login and Subscribe to Alerts.
2. Login to the CAOC Central Webpage (CCWeb).
3. Send/receive email using Iris For Outlook (IFO).
4. Utilizing CCWeb:
 - a. Operate Execution Status and Monitoring Tool (ESTAT).
 - (1) Open the appropriate Air Battle Plan (ABP).
 - (2) Update aircraft mission status
 - (3) Access mission Operational Support Pages (OPages)
 - b. Operate Web Air Request Processor (WARP).
 - (1) Load appropriate ABP.
 - (3) Input an immediate Air Support Request.
 - (4) Pair aircraft mission data with request.
 - (5) Apply BDA to request.
 - c. Access the ATO/ACO using the ATO/ACO Tool (AAT).

Performance Standard. Pass an exam.

Reference.

1. MCTSSA's Marine Corps Tactical Data Systems Reference Guide
2. DASC Pocket Checklist Section 15

AIRS-1146 * B E G

Goal. Operate the Effects Management Tool (EMT).

Requirement. Perform the following:

1. Set up the EMT
2. Start the EMT
3. Configure EMT for operation
4. Provide Advanced Field Artillery Tactical Data System (AFATDS) units to CAC2S.
5. Provide AFATDS overlays to CAC2S.
6. Provide geometries to AFATDS.
7. View targets.

Performance Standard. With the aid of reference, pass a performance based exam with a minimum score of 80%.

Reference.

1. Software User's Manual (SUM) for Command and Control PC (C2PC)
2. TM 12041A/12050A-OD2, CAC2S User Manual
3. TB 11-7010-349-10, EMT User's Manual
4. TB 11-7025-354-10-4, Air Operations for AFATDS
5. TM 7025-OR/1/2/4, AFATDS

AIRS-1148 * B E G

Goal. Define elements of information exchange within the MAGTF Communications System

Requirement. Perform the following:

1. Identify the four classes of information.
2. Identify the characteristics of quality information.
3. Define situational awareness.
4. Define a commander's critical information requirement.
5. Define a priority intelligence requirement.
6. Define a friendly force information requirement.
7. Define an essential element of friendly information.
8. Identify the purpose of information flow.

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%.

Reference.

1. MCWP 3-40.2, Information Management
2. MCWP 3-40.3, MAGTF Communication Systems

AIRS-1150 * B E G

Goal. Identify the components of the air picture

Requirement. Perform the following:

1. Define a track.
2. Identify the purpose of a track number.
3. Identify the definition of the Common Tactical Picture.
4. Describe the purpose of the Multi TDL Network.
5. Describe the characteristics of Link 11
6. Describe the characteristics of Link 11B
7. Describe the characteristics of Link 16
8. Describe the Joint Range Extension Application Protocols.
9. Identify the TDL capabilities of the agencies provided by MACG units.
10. Identify TDL capabilities of USMC air platforms.

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%.

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MCWP 3-22, Anti Air Warfare
4. MCWP 3-23, Offensive Air Support
5. MIL-STD-6016, TDL 16 Interface Standard
6. MIL-STD-6017, VMF Interface Standard
7. MIL-STD-3011, JREAP Interface Standard
8. MIL-STD-6020, Data Forwarding between TDLs

AIRS-1152 * B E G

Goal. Perform as a Tactical Air Director

Requirement. In a DASC, perform the following:

1. Parse the ATO to create accurate soft frags.
2. Route aircraft in accordance with ATO.
3. De-conflict aircraft with surface to air threats, other aircraft, and combined arms fires.
4. Use proper terminology associated with procedural control.
5. Use the SALT brief to RIO F/W aircraft.
6. Accurately control common F/W missions:
 - a. CAS
 - b. XCAS
 - c. FAC(A)
 - d. Reconnaissance
 - e. Refueling

- f. SCR
- g. UAS
- h. Downed A/C
- 7. Pass and receive air support requests to and from F/W aircraft.
- 8. Give a crew brief.

Performance Standard. Without the aid of reference, pass a test with a minimum score of 80% and apply knowledge gained in practical application using the DASC.

Reference.

- 1. MCWP 3-25.5
- 2. DASC Pocket Checklist

AIRS-1154 * B E G

Goal. Perform as a Helicopter Air Director

Requirement. In a DASC, perform the following:

- 1. Parse the ATO to create accurate soft frags.
- 2. Route aircraft in accordance with ATO.
- 3. Deconflict aircraft with surface to air threats, other aircraft, and combined arms fires.
- 4. Use proper terminology associated with procedural control.
- 5. Use the SALT brief to RIO R/W aircraft.
- 6. Accurately control common R/W missions:
 - a. CASEVAC
 - b. CAS
 - c. ASC(A)
 - d. Reconnaissance
 - e. VIP
 - f. Troop Insert
 - g. UAS
 - h. Logistics
- 7. Pass and receive air support requests to and from R/W aircraft.
- 8. Give a crew brief.

Performance Standard. Without the aid of reference, pass a test with a minimum score of 80% and apply knowledge gained in practical application using the DASC.

Reference.

- 1. MCWP 3-25.5
- 2. DASC

6.10 CORE SKILL TRAINING (2000)

6.10.1 Purpose. Core Skills are intended to train the individual to utilize the tools and systems required during performance as a DASC crewmember. Core Skills require a set of events to be completed to ensure a level of proficiency is achieved before the trainee proceeds to Mission Skill

training.

6.10.2 General

6.10.2.1 Admin Notes

(1) All events' exams will be without the aid of reference(s) and a minimum score of 80% to pass unless specifically changed in an event.

(2) The following requirements apply to the Levels of DASC Operational Tempo, where applicable:

Level 1: Minimum per hour: 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission.

Level 2: Minimum per hour: 4 F/W ATO missions, 4 R/W ATO missions, 3 immediate requests, and 2 fire missions.

Level 3: Minimum per hour: 6 F/W ATO missions, 6 R/W ATO missions, 4 immediate requests, and 3 fire missions.

Level 4: Minimum per hour: 8 F/W ATO missions, 8 R/W ATO missions, 5 immediate requests, and 4 fire missions.

Level 5: Minimum per hour: 10 F/W ATO missions, 10 R/W ATO missions, 6 immediate requests, and 5 fire missions.

6.10.2.2 Prerequisite. None

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

PAR NO.	STAGE NAME
6.10.3	ACADEMIC (ACAD)
6.10.4	COMMUNICATIONS (COMM)
6.10.5	EQUIPMENT (EQUIP)
6.10.6	AIR SUPPORT ELEMENT (ASE)
6.10.7	AIR SUPPORT LIAISON TEAM (ASLT)
6.10.8	DASC OIC (DOIC)
6.10.9	FAMILIARIZATION (FAM)
6.10.10	PROCEDURAL CONTROL (CTRL)
6.10.11	SENIOR AIR DIRECTOR (SAD)
6.10.12	COMMAND AND CONTROL SYSTEMS (C2SYS)

6.10.3 ACADEMICS (ACAD)

6.10.3.1 Purpose. To review, develop and evaluate knowledge of DASC operations, systems and procedures.

6.10.3.2 General

Admin Notes. 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-8003 (DASC) and

complete a self-paced reading of MCWP 3-25.5, DASC Handbook.

Prerequisites. None.

Crew Requirements. None.

ACAD-2000 1.0 * B E G

Goal. Describe the Joint Data Network.

Requirement. Perform the following:

1. State the purpose of the Joint Data Network (JDN).
2. State the responsibilities of the Joint Data Network Operations Officer (JDNO).
3. State the purpose of the Global Command and Control System (GCCS).
4. State the purpose of the Common Tactical Picture (CTP).
5. State the characteristics of the CTP.
6. State the components of the CTP.
7. Describe track management.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3115.01, CTP Reporting Requirements
3. CJCSI 3151.01B, GCCS COP Reporting Requirements
4. CJCSM 6120.01, Joint Multi TDL Operating Procedures
5. MIL-STD-6020, Data Forwarding between TDLs
6. MIL-STD-6040, USMTF Interface Standard

ACAD-2005 1.0 * B E G

Goal. Describe the Multi Tactical Datalink Network (MTN).

Requirement. Perform the following:

1. Define Multi-TDL Network (MTN).
2. Define Multi-TDL Architecture (MTA).
3. Identify the characteristics of Link 11/TDL A.
4. Identify the characteristics Link 11B/TDL B.
5. Identify the characteristics Link 16/TDL J.
6. Identify MTA roles.

7. Identify the characteristics of the Joint Range Extension Application Protocol (J-REAP).
8. Describe track blocks.
9. Explain the purpose of the pseudo IU address.
10. Explain the purpose of the collective IU address.
11. Explain the purpose of Variable Message Format (VMF).
12. Identify the characteristics of Variable Message Format (VMF).

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. 2000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3115.01, CTP Reporting Requirements
3. CJCSI 3151.01B, GCCS COP Reporting Requirements
4. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
5. MIL-STD-6011, TDL 11/11B Interface Standard
6. MIL-STD-6016, TDL 16 Interface Standard
7. MIL-STD-6016, VMF Interface Standard
8. MIL-STD-3011, JREAP Interface Standard
9. MIL-STD-6020, Data Forwarding between TDLs

ACAD-2010	1.0	*	B	E	G

Goal. Describe track information displayed within the DASC

Requirement. Perform the following:

1. Identify track identifications.
2. Identify track environments.
3. Explain the significance of a unit reference number (URN).
4. Identify the characteristics of a K05.1 Position Report (POSREP).
5. Identify the characteristics of a K04.1 Observation Report (OBSREP).
6. Define a PPLI.
7. Explain the purpose contained in a J13.X Platform and System Status message.
8. Identify the basic characteristics of a J2.2 Air PPLI.
9. Identify the basic characteristics of a J2.5 Land Point PPLI.
10. Identify the basic characteristics of a J2.6 Land Track PPLI.
11. Identify the additional information reported in a J13.5 Land Platform and System status message.
12. Identify the additional information reported in a J13.0 Airfield Status message.

13. Identify the basic characteristics of a J3.0 Reference Point Track.
14. Identify the basic characteristics of a J3.1 Emergency Point Track.
15. Identify the basic characteristics of a J3.2 Air Track.
16. Identify the characteristics of each IFF/SIF Code
17. Identify the significance of the Mode IIIC altitude.
18. Identify the basic characteristics of a J3.5 Land Point/Track.

Performance Standard. Pass an exam

Instructor. BI,SI

Prerequisite. 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3151.01B, GCCS COP Reporting Requirements
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-6016, VMF Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs
7. U-TAOC-PCL-6005, TAOC Pocket Checklist

ACAD-2015	1.0	*	B	E	G

Goal. Describe the Joint Range Extension Application Protocol (JREAP).

Requirement. Perform the following:

1. Describe the capabilities of JREAP.
2. Describe JREAP A.
3. Select the data rates of JREAP A.
4. Describe JREAP A roles.
5. Describe the JREAP A Transmission Sequence List (TSL).
6. Explain the difference between JREAP A and Satellite J.
7. Describe JREAP B.
8. Describe JREAP B modes of operation.
9. Select JREAP B data rates.
10. Describe JREAP C.
11. Describe JREAP C modes of operation.

Performance Standard. Pass an exam

Instructor. BI,SI

Prerequisite. 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
2. MIL-STD-6016, TDL 16 Interface Standard
3. MIL-STD-6016, VMF Interface Standard
4. MIL-STD-3011, JREAP Interface Standard
5. MIL-STD-6020, Data Forwarding between TDLs

ACAD-2020	1.0	*	B	E	G

Goal. Identify the elements of track data coordination

Requirement. Perform the following:

1. Identify the responsibilities of the TDC.
2. Identify the purpose of the track production plan.
3. Define the purpose of net entry/exit procedures.
4. Define the purpose of data registration.
5. Define dual designations.
6. Identify the primary reasons for duplicate track numbers occurring.
7. Define an Identification (ID) conflict.
8. Identify an environment conflict.
9. Identify the procedures to resolve an ID conflict.
10. Identify the purpose for a Change Data Order.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures

ACAD-2025	1.0	*	B	E	G

Goal. Describe Datalink Filters.

Requirement. With the aid of reference, perform the following:

1. Define data looping.
2. Identify the purpose of filters.

3. Identify transmit filters.
4. Identify forwarding filters.
5. Identify system receive filters.
6. Describe parity rule when implementing transmit and receive filters.
7. Identify filter options.
8. Describe the purpose of display filters.
9. Describe the condition applied to tracks that are force told (force tell).
10. Describe the condition applied to tracks that have an emergency indicator.

Performance Standard. With the aid of references, pass an exam.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS

ACAD-2030	1.0	*	B	E	G

Goal. Identify positions in the Multi Tactical Datalink Network (MTN).

Requirement. Perform the following:

1. Identity the purpose of a JICO.
2. Describe the purpose a Network Design Facility (NDF).
3. Describe the purpose of the Joint Interface Control Cell (JICC).
4. Identify Joint Interface Control Officer (JICO) responsibilities.
5. Identify the responsibilities of the Link Mangers
6. Identify the responsibilities of the Track Data Coordinator (TDC).
7. Identify the purpose of a Regional Interface Control Officer (RICO).
8. Identify the purpose of the Sector Interface Control Officer (SICO).
9. Identify Multi-TDL Architecture voice networks.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MCWP 3-40.3 MAGTF Communication System
4. MCWP 3-35.3 MACCS Handbook
5. MCWP 3-25.4 TACC Handbook
6. MCWP 3-25.6 SAAWC Handbook
7. MCWP 3-25.6 TAOC Handbook

ACAD-2035	1.0	*	B	E	G

Goal. Identify DASC specific parts of the OPTASK LINK message.

Requirement. With the aid of reference, perform the following:

1. Identify the purpose of the OPTASK LINK.
2. Identify who is responsible for creating and disseminating the OPTASK LINK.
3. Identify information contained in the Heading segment.
4. Identify the purpose of the GENTEXT/CONDUCT OF TDL OPERATIONS set.
5. Identify the information contained in the POCLINK set.
6. Identify the information contained in the IVCCN set.
7. Identify the purpose of the Multilink Interface Coordination Requirements segment.
 - a. Multilink Interface Establishment set
 - b. Region Interface Information set
 - c. Sector Interface Information set
 - d. Change Data Order Authorities
 - e. Command Authorities
 - f. Contingency Procedures
 - g. Track Production Area Guidance
8. Identify the purpose of the INTCOORD/INTERFACE COORDINATION segment.
9. Select the purpose of the Link 16 segment.
10. Identify the information contained in the FORCEFLTR set.
11. Identify the information contained in the JNETWORK set.
12. Identify the information contained in the JUDATA set.
13. Identify the information contained in the UNITFLTR set.
14. Identify the information contained in the LKSXDUTY set.
15. Identify the information contained in the SQDDATA set.
16. Identify the information contained in the SADL segment.
17. Identify the information contained in the SADLSQD set.
18. Identify the information contained in the JRE segment.
19. Identify the information contained in the UNITINFO set.
20. Identify the information contained in the LNKPROT set.
21. Identify the information contained in the SATCONN set.
22. Describe the difference with Satellite Link 16 and JREAP A link information.

23. Identify the information contained in the DAMA set.
24. Identify the information contained in the SATINFOJ set.
25. Identify the information contained in the CYPTDAT set.
26. Identify the information contained in the LNKJPADD set.
27. Identify the information contained in the SECTEL set.
28. Identify the information contained in the SECINTER set.
29. Identify the information contained in CONMATRIX set.
30. Identify the information contained in the FORCEFLTR set in the JRE Data Segment.
31. Identify the information contained in the Filter Segment.
32. Identify the information contained in the FILTER set.
33. Identify the information contained in the 1MANCODE table.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI,SI

Prerequisite. 2005, 2025, 2030

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
2. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
3. DISA USMTF Baseline,
<https://www.us.army.mil/suite/community/15896960>
4. Unit SOP

ACAD-2040	1.0	*	B	E	G

Goal. Define information related to TDL tracks

Requirement. Perform the following:

1. Define Track Quality.
2. Identify the characteristics of real-time tracks.
3. Identify the characteristics of near real-time tracks.
4. Identify the characteristic of a non-real time track.
5. Identify sources for non-real time tracks.
6. Identify the normal update rates for tracks.
7. Define Reporting Responsibility (R2).
8. Define Controlling Unit (CU).
9. Define a common track.
10. Define automatic correlation.
11. Identify correlation restrictions.
12. Describe Track Number negations during correlation.
13. Define Manual Correlation.
14. Explain de-correlation.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25, Control of Aircraft and Missiles
2. CJCSM 3115.01, Joint Data Network Operations
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-6016, VMF Interface Standard
6. MIL-STD-3011, JREAP Interface Standard
7. MIL-STD-6020, Data Forwarding between TDLs
8. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
9. Unit SOP

ACAD-2045	1.0	*	B	E	G

Goal. Identify DASC crew positions.

Requirement. For each doctrinal crew position within the DASC:

1. Identify the duties and responsibilities of the position
2. Identify and describe the doctrinal net(s) used
3. Identify the frequency spectrum of the net
4. Identify the agencies/units operating on the net
5. Provide examples of information passed/received from those agencies/units

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. 8003

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MWCP 3-25.5, DASC Handbook
2. DASC Pocket Checklist
3. MCWP 3-40.3, Communications

ACAD-2050	1.0	*	B	E	G

Goal. Identify storage and handling of classified material.

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 rule (TPI)
4. State storage procedures for each level of classification
5. Identify transportation requirements for classified material
6. State the sections of the SF-602
7. Identify the approved security containers utilized for

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCO P5510.1A
2. EKMS-1

ACAD-2055	1.0	*	B	E	G

Goal. Identify Airspace Coordination Measures (ACM)/ Fire Support Coordination Measures (FSCM)

Requirement. Perform the following:

1. Identify the elements of an airspace coordination means request
2. Identify the 8 types of ACMs, describe and provide examples of each
3. Given a list of 25 ACMs (mapped usages) from the reference, provide the definition and purpose for each
4. Identify FSCMs commonly used by the MAGTF.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 3-52, Joint Doctrine for Airspace Control in the Combat Zone
2. MCWP 3-16, Fire Support Coordination in the GCE

ACAD-2060 1.0 * B E G

Goal. Identify weather reports and impacts of weather on aviation operations

Requirement. Perform the following:

1. Identify the common aviation related weather reports
2. Interpret a Meteorological Aviation Report (METAR)
3. Given a scenario by the instructor, identify the potential impacts to aviation operations of various weather conditions

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-35.6 MAGTF Meteorological and Oceanographic Support
2. Federal Meteorological Handbook No. 1

ACAD-2065 1.0 * B E G

Goal. Describe aviation ordnance

Requirement. Provided a list of 25 examples of air-to-ground ordnance, describe each to include:

1. Nomenclature and/or short title
2. Description
3. Guidance scheme
4. Provide examples of targets it is effective against
5. Provide examples of USMC aircraft that can employ it

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket checklist

2. JP 3-09, Joint Fire Support

6.10.4 COMMUNICATIONS (COMM)

6.10.4.1 Purpose. To develop proficiency in utilizing MASS organic field radios and communications procedures.

6.10.4.2 General

Admin Notes. None.

Prerequisites. None.

Crew Requirements. None.

COMM-2115 0.5 * B L

Goal. Describe current man portable radios.

Requirement. Given a current multi-band radio, state the following:

1. State the characteristics, capabilities, and limitations of the radio.
2. State the purpose and associated frequency spectrum for Frequency Hopping and HAVE QUICK.

Performance Standard. State the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Technical Manual
2. Operator's Manual

COMM-2120 0.5 * B L

Goal. Describe current HF/VHF radios.

Requirement. Given a HF/VHF radio, state the following:

1. Identify capabilities and limitations of the HF/VHF radio.
2. Explain the functions and capability of chat.
3. Explain the purpose of Automatic Link Establishment (ALE).
4. State the characteristics of the radio

Performance Standard. State the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2130	2.0	*	B	DASC	L

Goal. Identify communication problems.

Requirement. Given an operational Direct Air Support Center (DASC) 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. Correct the problem by initiating appropriate action and/or reports.

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,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. 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

6.10.5 EQUIPMENT (EQUIP)

6.10.5.1 Purpose. To develop proficiency in utilizing DASC operational equipment and hardware.

6.10.5.2 General

Admin Notes. None.

Prerequisites. None.

Crew Requirements. None

EQUIP-2150 1.5 * B CAC2S L

Goal. Identify the characteristics, capabilities and limitations of the CS.

Requirement. Identify and 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. Identify and explain the requirement items IAW the reference and without error.

Instructor. BI,SI

Prerequisite. 2115, 2120

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Comm Section Support

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. MCWP 3-25.5 DASC Handbook
6. DASC Pocket Checklist
7. MCTSSA's Marine Corps Tactical Data Systems Reference Guide

EQUIP-2155 1.5 * B DASC Shelter L

Goal. Employ and maintain organic DASC shelter.

Requirement. Given the site diagram, an operational shelter with required cables, and four to six Marines, complete the following:

1. Emplace and expand shelter.
2. Stake down shelter.
3. Connect multiple shelters/vestibules/vehicle boots
4. Connect ECU ducting/plenum.
5. Connect lighting subsystems.
6. Connect internal power harness/MEPDS gear.
7. Tear-down and repack shelter for retrograde.
8. Conduct limited maintenance/repair

Performance Standard. Demonstrate the ability to properly set up (20 minutes) and tear down (20 minutes) a DASC Shelter and perform proper maintenance. Units will conduct this event for each type of shelter on the CMR.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DRASH XBT series manual
2. BASE-X manual
3. Unit generated exercise/operation site diagram

EQUIP-2160	0.5	*	B	L

Goal. Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS.

Requirement. Identify the MT/UT equipment as follows:

1. Identify rolling stock organic to the MASS. Conduct the following for each:
 - a. State the proper nomenclature.
 - b. State the power capabilities/requirements.
 - c. Explain the purpose of SL-3 gear and where to find the list.
 - d. Identify what equipment the vehicles can tow/carry.
2. Identify utility equipment organic to the MASS. Conduct the following for each:
 - a. State the proper nomenclature.
 - b. State the power capabilities/requirements.
 - c. State the relationship between utility equipment and specific DASC configurations
3. Explain proper hazardous material handling.

Performance Standard. Identify and explain the requirement items IAW the references; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MSTP Pamphlet, MAGTF Planner's Guide
2. DASC Pocket Checklist

EQUIP-2165 0.5 * B E L

Goal. Identify the characteristics, capabilities and limitations of the DASC MRC vehicles.

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

1. State the proper nomenclature
2. State the frequency spectrum
3. State expected range and factors affecting range
4. Identify power requirements and output
5. Identify compatible antennae

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%.

Instructor. BI,SI

Prerequisite. 2115, 2120

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket checklist

EQUIP-2170 2.0 * B L

Goal. Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)

Requirement. Given a DASC system diagram, CAC2S PDS OPFAC components, and the reference:

1. Set up the PDS 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 PDS OPFAC.

Performance Standard. With a DASC crew and reference, demonstrate the ability to perform requirement under general supervision.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Comm Section Support

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual

6.10.6 AIR SUPPORT ELEMENT (ASE)

6.10.6.1 Purpose. To develop technical expertise in ASE employment. At the conclusion of this stage of training, the trainee will have attained all the skills to be considered a core skill proficient Air Support Element Officer.

6.10.6.2 General

Admin Notes

(1) The majority of these events are briefings to ensure that the trainee understands the basics of ASE duties before undertaking duties as a DASC extension or part of a MEU ACE. Therefore, all Core Skills events should be completed before Mission Skills events. Duties may take place at the CE, GCE, LCE, and NTACS.

(2) Proper execution of liaison relies on knowledge of the appropriate orders and operations documents.

Prerequisites. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Crew Requirements. None.

ASE-2200 1 * B E D L/S

Goal. Brief a GCE Scheme of Maneuver

Requirement. Given the references, a GCE scheme of Maneuver, supporting documents, and a tactical scenario:

1. Brief the typical structure of a MEU GCE
2. Brief the typical structure of a MEU ACE
3. Brief the typical structure of a MEU LCE
4. Brief FSCMs, , and Maneuver Control Measures affecting operations
5. Brief fire support assets, capabilities and limitations, and Fire Support Plan
6. Brief direct air support requirements and friction points
7. Brief priority of fires by phase of the operation
8. Brief targeting products (RAGM, AGM, HPTL, etc) as required

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCDP 1-0 Marine Corps Operations
2. MCRP 5-12D Organization of Marine Corps Forces

ASE-2205 1 730 B,R,M E L/S

Goal. Brief the purpose, capabilities and limitations of an ASE to a GCE/ACE Commander

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Table of Organization (T/O), a GCE scheme of maneuver, and a GCE commander (live or simulated by instructor):

1. Brief the doctrinal purpose of an Air Support Element
2. Brief the proper Crew Resource Management (CRM)
3. Brief the capabilities and limitations based on T/O and T/E

Performance Standard. Perform the requirement items. Small conceptual errors are allowable, and should be corrected by the instructor; however, the presentation should contain no factual errors.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 3-02 Amphibious Operations
2. MCDP 1-0, Operations
3. U-DASC-PCL-5532, DASC Pocket Checklist
4. MCWP 3-25.5, DASC Handbook
5. MCWP 3-31.6 Supporting Arms Coordination in Amphibious Operations

ASE-2210	3	365	B,R,M	E	L

Goal. Explain the targeting cycle

Requirement. Given the references, discuss the targeting process, to include:

1. Decide, Detect, Deliver, and Assess (D3A).
2. Inputs and products of the cycle

3. ASE role in D3A (as required)
4. Key players

Performance Standard. Perform the requirement items. Small conceptual errors are allowable, and should be corrected by the instructor; however, the presentation should contain no factual errors.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-31B

ASE-2215	3	365	B,R,M	E	L

Goal. Explain the purposes of Navy Amphibious Ships

Requirement. Given the references, discuss key features of:

1. LCC
2. LHA
3. LHD
4. LPD
5. LSD
6. LCAC
7. LCU

Performance Standard. Brief the characteristics of each ship.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920,

2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-31B

ASE-2220	1	*	B	E	L/S

Goal. Brief the roles and responsibilities of Key Personnel in the SACC/LFOC/FSCC

Requirement. In accordance with the references, brief the Following:

1. Key personnel within the SACC/LFOC/FSCC
2. Roles and responsibilities within an SACC/LFOC/FSCC

Performance Standard. Perform the requirement items. Small conceptual errors are acceptable and should be corrected by the instructor; however, there should be no factual errors.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060, 8065

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-16.6A Multi-Service Procedures for Joint Application of Firepower
2. MCWP 3-16 Fire Support Coordination in the GCE
3. MCWP 3-16.6 Supporting Arms, Observer, Spotter, and Controller
4. FSCC Techniques and Procedures Smartpack (TTECG Jan 00)

ASE-2225 1 * B E L

Goal. Define the the Navy Tactical Air Control System

Requirement. Without the aid of reference, state the purpose, roles, and responsibilities of:

1. Navy Tactical Air Command Center (TACC)
2. Navy Tactical Air Direction Center (TADC)
3. Air Traffic Control Section (ATCS)
4. Helicopter Coordination Section (HCS)
5. Air Support Control Section (ASCS)
6. Air Defense Section (ADS)

Performance Standard. Without the aid of references, pass an exam with a minimum score of 80%.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062

OR

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062

AND 8060

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 1-02 DOD Dictionary of Military and Associated Terms
2. JP 3-02

6.10.7 AIR SUPPORT LIAISON TEAM (ASLT)

6.10.7.1 Purpose. To develop technical expertise in ASLT employment, DASC/FSCC information exchange requirements, and management of liaison teams. At the conclusion of this stage of training, the trainee will have attained all the skills to be considered a core skills proficient Liaison Officer.

6.10.7.2 General

Admin Notes

1. The majority of these events are briefings to ensure that the trainee understands the basics of ASLT duties before undertaking duties as a liaison. Therefore, all Core Skills events should be completed before Mission Skills events. Liaison duties can take place at the CE, GCE, LCE, and NTACS.
2. Proper execution of liaison relies on knowledge of the appropriate orders operations documents. Complete ACPM training and Utilize academic courseware as outlined in the MAWTS-1 C3 Course Catalog.

Prerequisites. 8000, 8020, 8060

Crew Requirements. None

ASLT-2250	1	*	B	E	L/S

Goal. Brief a GCE Scheme of Maneuver

Requirement. Given the references, a GCE scheme of Maneuver, supporting documents, and a tactical scenario, brief the following information and how it relates to the DASC:

1. Fire Support Coordination Measures, Airspace Coordinating Measures, and Maneuver Control Measures affecting the operations
2. Fire support assets, capabilities and limitations, and Fire Support Plan
3. Direct air support requirements and friction points
4. Priority of fires by phase of the operation
5. Targeting products (RAGM, AGM, HPTL, etc) as required

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee.

Instructor. BI,SI

Prerequisite. 8000, 8020, 8060

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCDP 1-0 Marine Corps Operations
2. MCWP 3-16 Fire Support Coordination in the GCE
3. MCRP 3-16.2 Techniques and Procedures for Fire Support Coordination
4. MCWP 3-16.2 Procedures for Marine Corps Fire Support

ASLT-2255 1 730 B,R,M E L/S

Goal. Brief the purpose, capabilities and limitations of the ASLT

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Table of Organization (T/O), a GCE scheme of maneuver, and a GCE commander (live or simulated by instructor):

1. Brief the doctrinal purpose of an Air Support Liaison Team
2. Brief crew utilization
3. Brief the capabilities and limitations
4. Brief support requirements

Performance Standard. Perform the requirement items. Small conceptual errors are allowable, and should be corrected by the instructor; however, the presentation should contain no factual errors.

Instructor. BI,SI

Prerequisite. 8000, 8020, 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCDP 1-0, Operations
2. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-16 Fire Support Coordination in the GCE
4. MCWP 3-25.5, DASC Handbook
5. Squadron SOP

ASLT-2260 1 * B E L

Goal. State the configuration of a TACP

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

1. The purpose of a TACP
2. The members of a TACP and their responsibilities at each GCE echelon
3. The major end items of a TACP and their purpose

Performance Standard. Without the aid of references, pass an exam with a minimum score of 80%.

Instructor. BI,SI

Prerequisite. 8000, 8020, 8060

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 1-02 DOD Dictionary of Military and Associated Terms
2. JP 3-09.3 Close Air Support
3. MCWP 3-16 Fire Support Coordination in the GCE
4. MCWP 3-16.6 Supporting Arms Observer Spotter and Controller
5. MCRP 5-12D Organization of Marine Corps Forces
6. MAWTS-1 TACP TACSOP dated 2 Mar 2012

6.10.8 DASC OIC (DOIC)

6.10.8.1 Purpose. To develop technical expertise and proficiency in DASC employment, integration into the MACCS and coordination with elements of the MAGTF, and planning for and management of air support operations.

6.10.8.2 General.

Admin Notes. At the conclusion of this stage of training individuals will have attained proficiency in the skills required to conduct the duties of an Officer-in-Charge of a Direct Air Support Center (DASC) (with or without extensions/echelons).

Prerequisites. None

Crew Requirements. None

DOIC-2300	80.0	*	B	S

Goal. Direct the creation and conduct of a DASC Drill.

Requirement. With the aid of references, given a list of training objectives; plan, coordinate, and execute a DASC simulation to include:

1. Develop a scenario IAW training objectives.
2. Build a DASC drill to support the scenario (use of a simulation generator is encouraged but not required)
3. Submit the scenario and DASC drill to the instructor.
4. Request required communications and support equipment
5. Identify white cell requirements
6. Oversee setup of the DASC and white cell
7. Ensure execution and evaluation of the scenario

8. Compile After-Action items

Performance Standard. Complete all the requirement items while working with an CC.

Instructor. BI,SI

Prerequisite. 8000, 8020, 8040.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-2, S-3, S-4, S-6, MHE

Reference.

1. DASC 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 (MCP)
5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual
6. MCRP 3-0A, Unit Training Management (UTM) Guide
7. MCRP 3-0B, How to Conduct Training
8. DASC Training and Readiness Manual

DOIC-2305 1.5 * B L/S

Goal. Conduct DASC site selection.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) , Commander's guidance, and a general location, conduct a map survey and select a site that will support DASC operations and draw a site diagram accounting for the following considerations:

1. Identify environmental concerns that may affect DASC communication.
2. FSCC collocation/coordination.
3. Site security.
4. Camouflage and dispersion.
5. Trafficability.
6. Location of communications and support equipment.
7. Priority for equipment emplacement.
8. Echelon considerations.
9. Identify composition of the advanced party/RSOP team.
10. Identify alternate sites.

Performance Standard. Brief the instructor and answer questions on the site selected.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting the DASC

External Syllabus Support. S-2, S-3, S-4, S-6

Reference.

1. MCWP 3-25.5, DASC Handbook
2. DASC Pocket Checklist

DOIC-2310 1.5 * B S

Goal. Describe DASC displacement operations.

Requirement. Given a scenario-based Tactical Decision Game (TDG):

1. Define DASC displacement operations.
2. Explain the steps of DASC displacement operations IAW DASC Pocket Checklist.
3. Write a plan for the DASC to displace, annotate identified issues of concern.

Performance Standard. Complete all the requirement items IAW the reference. Instructor will discuss each item with the trainee. The written plan must support the scenario.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. MCWP 5-1, Marine Corps Planning Process (MCPPE)
4. EWS 8662, MAGTF Operations Ashore

DOIC-2315 2.0 * B L

Goal. Determine DASC requirements

Requirement. Given mission tasking and Commander's guidance, determine requirements to support the DASC mission taking into account the following considerations:

1. Size of force supported.

2. Operational hours and duration of operation/exercise.
3. Communication requirements
4. Size of ACE / sortie rate.
5. Size of GCE / expected rate of immediate requests.
6. Digital backbone.
7. Use of automated systems.
8. Use of DASC extensions.
9. Echelon requirements
10. Information exchange requirements
11. Coordinate with supporting sections to produce: BOM, EDL, LSR, PEI listing, physical security of the site

Performance Standard. Complete all requirement items and brief the instructor.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060

Instructor. BI,SI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-2, S-3, S-4, S-6, FSCC/FFCC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. MCWP 5-1, Marine Corps Planning Process (MCPPE)
4. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual
5. Chapter 1 of this Manual

DOIC-2320 2.0 * B L

Goal. Develop 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).

Performance Standard. Conduct all the items in accordance with the references.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060

Instructor. BI,SI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-3, S-4, S-6, MHE

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. MCWP 3-16.3 Tactics, Techniques and Procedures for the Field Artillery Cannon Battery
3. FM 6-50 Tactics, Techniques and Procedures for the Field Artillery Cannon Battery
4. FM 4-01.011 Unit Movement Operations
5. FORSCOM Form 285-R Vehicle Load Card
6. Squadron SOP

6.10.9 FAMILIARIZATION (FAM)

6.10.9.1 Purpose. To facilitate the understanding of DASC operations through the familiarization with and observation of agencies/ organizations external to the DASC involved in aviation operations.

6.10.9.2 General.

Admin Notes. The familiarization events contained in this phase are intended to complement the MACCS (8000) Stage and the MAGTF (8060) Stage of the ACPM. Each event is to be conducted as a tour of an operational facility under the guidance of a DASC SI or appropriate agency equivalent.

Prerequisites. None

Crew Requirements. None

FAM-2350	2.0	*	B	L

Goal. Observe a Tactical Air Control Party (TACP).

Requirement. While observing a TACP in a field environment discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of a TACP.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8023

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TACP

Reference.

1. MCWP 3-23.1, Close Air Support

FAM-2355 2.0 * B L

Goal. Observe a TACC COPS.

Requirement. While observing a TACC COPS, discuss the positions, equipment and operations in relation to the DASC.

Performance Standard. Complete a tour of a TACC COPS.

Instructor. BI,SI

Prerequisite. 8001, 8002, 8003

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TACC

Reference.

1. MCWP 3-25.4, Marine Tactical Air Command Center Handbook

FAM-2360 2.0 * B L

Goal. Observe VMU operations.

Requirement. While observing an operational UAS discuss the positions, equipment, and operations in relation to the DASC

Performance Standard. Complete a tour of a VMU UAS site.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8006

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. VMU

Reference.

1. MCWP 3-42.1, Unmanned Aerial Vehicle Operations

FAM-2365 2.0 * B L

Goal. Observe a Fire Support Coordination Center (FSCC).

Requirement. While observing an FSCC in a field environment discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of a FSCC.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8062

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. An operational FSCC

Reference.

1. MCWP 3-16, Fire Support Coordination in the Ground Combat Element

FAM-2370 2.0 * B L

Goal. Observe the TAOC

Requirement. Observe TAOC positions, equipment, and operations.

Performance Standard. Complete a tour of a TAOC

Instructor. BI,SI

Prerequisite. 8001, 8003, 8004

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TAOC

Reference.

1. MCWP 3-25.7, Tactical Air Operations Center Handbook

FAM-2375 2.0 * B L

Goal. Observe an Air Traffic Control Facility (ATCF).

Requirement. While observing an Air Traffic Control Facility (ATCF) discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of an ATCF.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8005

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.8, Marine Air Traffic Control Detachment Handbook

6.10.10 PROCEDURAL CONTROL (CTRL)

6.10.10.1 Purpose. To develop proficiency in procedurally controlling manned and unmanned aircraft. Upon completion of this portion of the training syllabus the Air Support Control Officer will have attained all skills required to be considered a Core Skill proficient DASC Tactical Air Director and Helicopter Director.

6.10.10.2 General.

Admin Notes. Live or notional aircraft are acceptable, however a minimum of ten hours or three events must be completed with live aircraft.

Prerequisites. 8000, 8020, 8040

Crew Requirement. Core skill proficient DASC Crew

CTRL-2400	2.0	*	B	L

Goal. Extract critical information from the ATO, ACO, and SPINS documents.

Requirement. Given an ATO, ACO, SPINS, OPERATIONS ORDER, and references, extract key information necessary for the control of fixed-wing, rotary wing and unmanned aircraft as follows:

1. State the purpose, and use of each of each document.
2. Identify the agencies that use it
3. Extract ATO information necessary to:
 - a. Control
 - b. Route
 - c. Divert
4. Document extracted control information in a RIO Log.
5. Extract ACO information
6. Extract information pertinent to
 - a. Frequencies
 - b. Specific instructions for any deviations from OPORD and ACO.

Performance Standard. Complete the requirement items without error.

Instructor. BI,SI

Prerequisite. 8000, 8020, 8040

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 6-0
2. MCWP 3-25 Control of Aircraft of Missiles
3. MCWP 3-25.5 DASC Handbook
4. MCWP 3-40.1
5. MCWP 3-40.2
6. MCWP 3-40.3
7. DASC Pocket Checklist

CTRL-2405	4.0	365	B,R,M	S/L

Goal. Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given an operational DASC, begin in MOPP-0 and graduate to MOPP-IV over a four hour period. While increasing MOPP levels:

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. 8000, 8020, 8040

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist
3. FM 11-1 NBC Operations

CTRL-2410 2.0 * B L/S

Goal. Maintain information on the DASC Tactical Display.

Requirement. Given a tactical data system (TDS), network initialization parameters, an OPTASK LINK, track supervision net (TSN), and data networks, demonstrate the ability to:

1. Configure your local system track list.
2. Import an Air Tasking Order.
3. Apply the appropriate display filters.
4. Plot land units/platforms as a track,
5. Plot geometries as a track.
6. Pair two or more tracks.
7. Pair two or more tracks.
8. Perform manual correlation actions.
9. Drop a track.
10. Apply a primary hook for a track.
11. Apply a secondary hook for a track.
12. Hook that specified track.
13. Apply a pointer onto the interface.
14. Provide a bearing and range between two objects.
15. Create an overlay file.
16. Import an Airspace Control Order as an overlay file.
17. Create an overlay object.
18. Organize an overlay file IAW unit SOP.
19. Share an overlay.

Performance Standard. With the aid of the CAC2S System User's Manual, complete the listed requirements. Minor errors corrected by the Marine are acceptable.

Prerequisite. 2000, 2005, 2010, 2015, 2025, 2040, 8000, 8020, 8040

Instructor. BI,SI

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-6, air and fire support missions, digital backbone, FFCC/FSCC, External JREAP capable system

Reference.

1. TM 12041A/12050A-OD/2, System User Manual for CAC2S
2. MSCT Display User Manual, Raytheon/Solipsys
3. CJCSM 3115.01, Joint Data Network Operations
4. CJCSM 6120.01, Joint Multi TDL Operating Procedures
5. Unit DASC SOP

CTRL-2415 4.0 * B L/S

Goal. Level 1 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the following tasks while performing as a member of a DASC crew.

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. 2400, 2410, 8000, 8020, 8040

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

CTRL-2420 4.0 * B L/S

Goal. Level 2 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC Helicopter Director or Tactical Air Director.

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests

8. Demonstrate proper processing of all received information and routing and passing information within 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. 2400, 2410, 2415, 8000, 8020, 8040

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

CTRL-2425 4.0 730 B,R,M L

Goal. Level 3 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC Helicopter Director or Tactical Air Director.

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. 2400, 2410, 2415, 2420, 8000, 8020, 8040

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

6.10.11 SENIOR AIR DIRECTOR (SAD)

6.10.11.1 Purpose. To develop proficiency in crew and system management involved in direct air support operations.

6.10.11.2 General.

Admin Notes. Upon completion of this portion of the training syllabus, the Air Support Control Officer will have attained all skills required to be considered a Core Skill proficient DASC Senior Air Director.

Prerequisites. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Crew Requirement. DASC Crew

SAD-2450	4.0	*	B	S/L

Goal. Conduct Senior Air Director (SAD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given an operational DASC, 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-IV.
3. Utilize CBRN defense equipment as required.
4. Alert subordinate displaced elements.
5. Notify external agencies and aircraft.

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. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist
3. FM 11-1 NBC Operations

SAD-2455	8.0	*	B,R	S/L

Goal. Conduct the duties of Senior Air Director (SAD) during echelon operations and passage of control.

Requirement. Given the references, a DASC, an execution checklist, and a minimum of an OpTempo 1 exercise, pass or receive 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,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist
3. JP 3-09
4. JP 1-02
5. MCDP 3
6. MCWP 3-1
7. MCWP 4-43.1
8. MCWP 3-16
9. MCRP 5-12C

SAD-2460 1.0 * B L

Goal. State the duties and responsibilities of a DASC Senior Air Director.

Requirement. State the roles and responsibilities of a DASC Senior Air Director, to include at a minimum the following:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

Performance Standard. Pass an exam with an 80% or higher.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2210, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-2465 4.0 * B L

Goal. Match appropriate available aviation assets with requests.

Requirement. Given a map, a list of aircraft with ordnance loads (flying and on strip alert), and ten immediate air support requests for each of the following: Assault Support Request, Joint Tactical Air Strike Request, and a Casualty Evacuation form:

1. Assign appropriate aircraft to each immediate air support request.
2. Explain rationale for pairing of aircraft with request to evaluator(s).

Performance Standard. All 30 requests are assigned to an appropriate aircraft and verbal explanation provided supports the decision to select that aircraft.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket Checklist
2. JP 1-02
3. MCWP 3-2, Aviation Operations
4. MCWP 3-25.5, DASC Handbook
5. MCRP 3-16.6A
6. MCRP 5-12C

SAD-2470	1.0	*	B	L

Goal. Determine prioritization of communication links

Requirement. Given the reference, a list of communication paths, DASC 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,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-40.3, Communications and Information Systems
2. DASC Pocket Checklist

SAD-2475 1.0 * B L

Goal. Extract critical information from supporting documents.

Requirement. Demonstrate the ability to extract critical information required for Direct Air Support Center (DASC) operations including but not limited to Fire Support Coordination Measures (FSCMs), Airspace Coordination Measures (ACMs), Scheme of Maneuver, Communications nets and frequencies, and aircraft missions from the following documents:

1. Warning Orders, Operations Orders (OPORDs) and Fragmentary Orders (FRAGOs).
2. Communications Plans and Automated Communications-Electronics Operating Instructions (ACEOI).
3. Airspace Control Plans (ACPs).
4. Airspace Control Orders (ACOs).
5. Air Tasking Orders (ATOs) and Special Instructions (SPINS).
6. OPTASK Link

Performance Standard. Complete the requirement items IAW the reference. The instructor will verify the required information is extracted; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System
2. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

6.10.12 COMMAND AND CONTROL SYSTEMS (C2SYS)

6.10.12.1 Purpose. To develop proficiency in utilizing the command and control systems used in DASC operations.

6.10.12.2 General

Prerequisites. 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 DASC personnel position dependent. See the MAWTS-1 C3 Course Catalog for the events listed in the table below.

Crew Requirement. None

EVENT CODE	EVENT NAME	POSITION	PRE-REQS
C2SYS-2900	Set up profile on TBMCS client	TAD, HD, SAD, DOIC	NONE
C2SYS-2901	Access TBMCS on line master help index	TAD, HD, SAD, DOIC	2900
C2SYS-2902	Utilize the TBMCS alerts service web application	TAD, HD, SAD, DOIC	2901
C2SYS-2903	Operate Map Manager	TAD, HD, SAD, DOIC	2902
C2SYS-2904	Operate Web Mapping	TAD, HD, SAD, DOIC	2902
C2SYS-2913	Import an airspace group	TAD, HD, SAD, DOIC	2902
C2SYS-2917	Demonstrate proficiency publishing the ATO	TAD, HD, SAD, DOIC	NONE
C2SYS-2920	Operate AFATDS	TAD, HD, SAD, DOIC	NONE
C2SYS-2921	Operate C2PC	TAD, HD, SAD, DOIC	NONE
C2SYS-2940	IRC	TAD, HD, SAD, DOIC	NONE

6.11 MISSION SKILL TRAINING (3000)

6.11.1 Purpose. Mission Skill training consists of advanced events that provide training on processes within the DASC and develop the trainee's ability to perform their duties as a member of a DASC crew while conducting DASC operations. Once required Mission Skills are completed, the trainee can be recommended to proceed to qualification evaluation or designation.

6.11.2 General

6.11.2.1 Admin Notes. The following requirements apply to the Levels of DASC Operational Tempo, where applicable:

Level 1: Minimum per hour: 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission.

Level 2: Minimum per hour: 4 F/W ATO missions, 4 R/W ATO missions, 3 immediate requests, and 2 fire missions.

Level 3: Minimum per hour: 6 F/W ATO missions, 6 R/W ATO missions, 4 immediate requests, and 3 fire missions.

Level 4: Minimum per hour: 8 F/W ATO missions, 8 R/W ATO missions, 5 immediate requests, and 4 fire missions.

Level 5: Minimum per hour: 10 F/W ATO missions, 10 R/W ATO missions, 6 immediate requests, and 5 fire missions.

6.11.2.2 Prerequisite. Complete all Core Skill events required for the respective crew position.

6.11.2.3 Stages

PAR NO.	STAGE NAME
6.11.3	HELICOPTER DIRECTOR (HD)
6.11.4	TACTICAL AIR DIRECTOR (TAD)
6.11.5	SENIOR AIR DIRECTOR (SAD)
6.11.6	AIR SUPPORT LIAISON TEAM (ASLT)
6.11.7	AIR SUPPORT ELEMENT (ASE)
6.11.8	DASC OIC (DOIC)

6.11.3 HELICOPTER DIRECTOR (HD)

6.11.3.1 Purpose. To develop proficiency in procedurally controlling manned and unmanned aircraft.

6.11.3.2 General

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Control Officer will have attained all skills required to be considered a Mission Skill proficient DASC Helicopter Director.

Prerequisite. 2400, 8000, 8020, 8040, 8062.

Crew Requirements. A core skill proficient ASE or DASC crew.

HD-3000 4.0 * B L/S

Goal. Level 1 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

HD-3005	4.0	*	B	L/S

Goal. Level 2 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, introduce Chat and conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3000, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

HD-3010 4.0 1460 B,R,M E L/S

Goal. Level 3 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3000, 3005, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

HD-3015 4.0 * B L/S

Goal. Level 4 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD, to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3000, 3005, 3010, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

HD-3020	4.0	*	B	E	L/S

Goal. Level 5 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD, to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3000, 3005, 3010, 3015, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

6.11.4 TACTICAL AIR DIRECTOR (TAD)

6.11.4.1 Purpose. To develop proficiency in procedurally controlling manned and unmanned aircraft.

6.11.4.2 General

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Control Officer will have attained all skills required to be considered a Mission Skill proficient DASC Tactical Air Director (TAD).

Prerequisite. 2400, 8000, 8020, 8040, 8062

Crew Requirements. A core skill proficient ASE or DASC crew.

TAD-3100	4.0	*	B	E	L/S

Goal. Level 1 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support

missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

TAD-3105 4.0 * B L/S

Goal. Level 2 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, introduce Chatand conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3100, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

TAD-3110 4.0 1460 B,R,M E L/S

Goal. Level 3 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief

2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3100, 3105, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

TAD-3115	4.0	*	B	L/S

Goal. Level 4 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3100, 3105, 3110, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

TAD-3120 4.0 * B E L/S

Goal. Level 5 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2400, 2410, 3100, 3105, 3110, 3115, 8000, 8020, 8040, 8062

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCWP 3-25.5 DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist

6.11.5 SENIOR AIR DIRECTOR (SAD)

6.11.5.1 Purpose. To develop proficiency in crew and system management involved in direct air support operations. Upon completion of this portion of the training syllabus the ASCO will have obtained the required skills to be recommended for qualification as a DASC Senior Air Director.

6.11.5.2 General

Admin Note.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Crew Requirement. A core skill proficient DASC crew.

SAD-3200	4.0	*	B	L/S

Goal. Level 1 - Perform as an SAD

Requirement. Given a scenario, supporting documentation, an DASC, conduct the following tasks while managing a crew:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

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.

Note: SAD 2450 and 2455 events can be performed concurrently with this event. However, the performance standard for each event must be met and documented in a separate evaluation form.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160,

2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-3205	4.0	*	B	L/S

Goal. Level 2 - Perform as an SAD

Requirement. Given a scenario, supporting documentation, an DASC, conduct the following tasks while managing a crew:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

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.

Note: SAD 2450 and 2455 events can be performed concurrently with this event. However, the performance standard for each event must be met and documented in a separate evaluation form.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020,

3100, 3105, 3110, 3115, 3120, 3200, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-3210 4.0 1460 B,R,M E L/S

Goal. Level 3 - Perform as an SAD

Requirement. Given a scenario, supporting documentation, an DASC, conduct the following tasks while managing a crew:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

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.

Note: SAD 2450 and 2455 events can be performed concurrently with this event. However, the performance standard for each event must be met and documented in a separate evaluation form.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-3215 4.0 * B L/S

Goal. Level 4 - Perform as an SAD

Requirement. Given a scenario, supporting documentation, an DASC, conduct the following tasks while managing a crew:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

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.

Note: SAD 2450 and 2455 events can be performed concurrently with this event. However, the performance standard for each event must be met and documented in a separate evaluation form.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground

and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-3220 4.0 (*) B L/S

Goal. Level 5 - Perform as an SAD

Requirement. Given a scenario, supporting documentation, an DASC, conduct the following tasks while managing a crew:

1. Conduct crew brief/debrief.
2. Maintain logbook.
3. Ensure each crewmember are executing their duties.
4. Match available aviation assets with requests.
5. Pass information to crewmembers.
6. Manage MAGTF information systems.
7. Manage assigned radio nets.
8. Coordinate with external agencies.
9. Coordinate supporting arms integration.
10. Phase control ashore as required.
11. Conduct a passage of control.
12. Assist OIC in planning, deployment, and retrograde of the DASC.

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.

Note: SAD 2450 and 2455 events can be performed concurrently with this event. However, the performance standard for each event must be met and documented in a separate evaluation form.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3215, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support

missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

SAD-3225 4.0 730 B,R,M E L/S

Goal. Manage a DASC extension

Requirement. Given the references, supporting documents, a live or simulated DASC, and at least one live or simulated DASC extension:

1. Identify and manage information exchange requirements between the DASC and the extension.
2. Plan and utilize primary, secondary, and tertiary (as required) communication channels between the DASC and the extension.
3. Supervise the reporting of information from the extension to higher and adjacent agencies.
4. Implement casualty plan for the extension

Performance Standard. Perform the required items. The trainee should utilize the extension so that it is an asset to the MACCS.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, air and fire support missions as defined by the operational tempo, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-16 Fire Support Coordination in the GCE
3. MCWP 3-25.5 DASC Handbook
4. MCWP 3-25, Control of Aircraft and Missiles

SAD-3230 4 365 B,R,M E S/L

Goal. Coordinate Airspace with Joint aviation C2 Agency(ies) within a joint environment

Requirement. Given the proper planning documents in a Joint Force environment, coordinate real-time airspace requirements with the appropriate authorities.

Performance Standard. Perform the requirement items. Airspace coordination should be completed in a timely manner for cross-boundary fires (aviation or surface to surface).

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. Digital backbone, TACC, FFCC/FSCC, other service C2 agency(ies)

Reference.

1. JP 1-02 Joint Dictionary of Definitions and Terms
2. JP 3-02 Amphibious Operations
3. JP 3-09 Joint Fire Support
4. JP 3-52 Joint Airspace Control
5. JP 3-09.3 Close Air Support
6. U-DASC-PCL-5532, DASC Pocket Checklist
7. MCWP 3-25.5, DASC Handbook
8. Squadron SOP

SAD-3235 4 365 B,R,M E S/L

Goal. Coordinate airspace for Guided Multiple Launch Rocket System (GMLRS) or Army Tactical Missile System (ATACMS)

Requirement. In accordance with the references or theater SOP, coordinate airspace internally to the DASC, and externally, for the employment of GMLRS or ATACMS rocket artillery.

Performance Standard. Coordinate the airspace in a timely manner, ensuring timeliness of fire support and safety of flight for aircraft under DASC control.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160,

2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. Digital backbone, TACC, FFCC/FSCC, GMLRS, ATACMS, and other service C2 agency(ies)

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25 Control of Aircraft and Missiles
3. MCWP 3-25.5, DASC Handbook
4. MCWP 3-16, Fire Support Coordination in the GCE
5. MCWP 3-16.1C MLRS Operations

SAD-3240 1.0 365 B,R,M E L/S

Goal. Utilize an execution checklist item

Requirement. Given appropriate operations documents, an execution checklist with an item that requires DASC action, and in accordance with the references:

1. Identify appropriate action to be taken
2. Direct crew to perform appropriate action
3. Supervise DASC crew information flow
4. Coordinate with external agencies as required

Performance Standard. Perform the required items. Trainee should immediately recognize the execution checklist item and determine the relevance to the DASC. Instructor input should be as minimal as possible, but minor input is allowed.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. NTPP 3-22.5 USMC Assault Support TACSOP
2. MCWP 3-25.5, DASC Handbook
2. MCWP 3-16, Fire Support Coordination in the GCE

3. MCWP 3-25, Control of Aircraft and Missiles
4. U-DASC-PCL-5532, DASC Pocket Checklist

6.11.6 AIR SUPPORT LIAISON TEAM OIC (ASLT)

6.11.6.1 Purpose. To develop expertise in ASLT employment, DASC/FSCC information exchange requirements, and management of a liaison team. Upon completion of this portion of the training syllabus the ASCO will have obtained the required skills to be Mission Skill proficient as an ASLT OIC.

6.11.6.2 General

Prerequisite. 2250, 2255, 2260

Admin Notes. None.

Crew Requirement. Core skill proficient ASLT

ASLT-3300	4.0	730	B,R,M	E	L/S

Goal. Perform as an ASLT OIC

Requirement. Given appropriate operations documents, a T/O and T/E and other planning documents, in accordance with the references, operate as a liaison officer in a Battalion or higher FSCC. Conduct planning and execution for the following items:

1. Analyze and identify air support requirements for the GCE
2. Analyze information exchange requirements and conduct information exchange between the DASC and the supported FSCC
3. Understand GCE scheme of maneuver and its impacts on Air Support
4. Understand impacts on FSCM/ACM changes on Direct Air Support Operations
5. Understand and utilize primary, secondary, and tertiary (as necessary) means of communication to the DASC.

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee.

Instructor. SI,WTI

Prerequisite. 2250, 2255, 2260

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. FSCC, air and fire support missions as defined by operational tempo level three, a DASC, S-1, S-2, S-3, S-4, S-6

Reference.

1. MCDP 1-0 Operations
2. MCWP 3-25.5, DASC Handbook

2. MCWP 3-16, Fire Support Coordination in the GCE
3. MCWP 3-16.6 Supporting Arms, Observer, Spotter, and Controller
4. U-DASC-PCL-5532, DASC Pocket Checklist

6.11.7 AIR SUPPORT ELEMENT OIC (ASE)

6.11.7.1 Purpose. To develop expertise in ASE employment, DASC/Navy information exchange requirements, and management of an ASE. Upon completion of this portion of the training syllabus the ASCO will have obtained the required skills to be Mission Skill proficient as an ASE OIC.

6.11.7.2 General

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225

Admin Notes. None.

Crew Requirement. Core skill proficient ASE.

ASE-3350	4.0	730	B,R,M	E	L/S

Goal. Perform ASE operations

Requirement. Given a scenario, supporting documentation, and an ASE, perform the following:

1. Conduct Mission Analysis
2. Review OPORDs and ConOps
3. Review Communications plan, ACEOI & Guard Chart, and Comm Connectivity Diagram
4. Coordinate with external agencies
 - a. Inter Squadron
 - b. MACCS/NTACS Agencies
 - c. FSCC/FFCC/FEC
 - d. PET
5. Conduct embarkation, and retrograde of personnel and equipment
6. Conduct ASE operations
 - a. Provide direct air support control functions within assigned AO in support of the MAGTF
 - b. Conduct face-to-face coordination as needed with the FSCC on behalf of the DASC (As required)
 - c. As required function as an extension of the Navy TACC/HDC
 - d. As required coordinate with the SACC/LFOC

Performance Standard. Complete all the requirement items IAW the references. Instructor will discuss each item with the trainee

Instructor. SI,WTI

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions as defined by operational tempo three, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. JP 3-02 Amphibious Operations
2. MCDP 1-0 Operations
3. MCWP 3-25 Control of Aircraft and Missiles
3. MCWP 3-25.5, DASC Handbook
4. MCWP 3-16, Fire Support Coordination in the GCE
5. MCWP 3-16.6 Supporting Arms, Observer, Spotter, and Controller
6. MCWP 3-31.6 Supporting Arms Coordination in Amphibious Operations
7. U-DASC-PCL-5532, DASC Pocket Checklist

6.11.8 DASC OIC (DOIC)

6.11.8.1 Purpose. To develop technical expertise and proficiency in DASC employment, integration into the MACCS and coordination with elements of the MAGTF, and planning for and management of air support operations.

6.11.8.2 General

Admin Notes. At the conclusion of this stage of training individuals will be eligible to be designated by the commanding officer as a Direct Air Support Center (DASC) Officer-in-Charge (OIC).

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062

Crew Requirement. Core skill proficient Air Support Liaison Team (ASLT) and DASC (multiple DASC Crews)

DOIC-3400	120	730	B,R,M	L

Goal. Conduct the duties of a DASC OIC during a field deployment/exercise

Requirement. Given a Warning Order, Deployment Order and/or MCTEEP Exercise, a T/O and T/E, and other planning documents plan for and execute a MEB level or higher DASC deployment of at least five (5) days in length. Conduct planning and execution to include the following items:

1. Conduct Mission Analysis
2. Review OPORDs and Concept of Operations
3. site selection/survey
4. Review Communications plan, ACEOI & Guard Chart
5. Produce LOI. Identify or create:

- a. Training Objectives
- b. Personnel Roster
- c. Equipment Density List/Bill of Materials (BOM) Request
- d. DASC Comm Connectivity Diagram
6. Coordinate with external agencies as required
 - a. Inter Squadron
 - b. MACCS Agencies
 - c. Fire Support Coordination Center (FSCC) & GCE
 - d. Joint C4I Agencies
 - e. Patient Evacuation Team (PET)
7. Final Confirmation Brief/Operations Brief
8. Conduct gear/equipment inspection and embarkation
9. Maintain accountability of personnel
10. physical security of classified areas.
11. Supervise training of DASC personnel
12. Compile After-Action items

Performance Standard. Complete all requirements.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060

MarineNet Courses: Logistics Planning Considerations (0401AO) and Communications Plans and Orders (2540)

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, external agencies (C2, fires, medical) as required

Reference.

1. U-DASC-PCL-5532, DASC 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 (MCP)P
5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual
6. MCRP 3-0A, Unit Training Management (UTM) Guide
7. MCRP 3-0B, How to Conduct Training

6.12 CORE PLUS TRAINING (4000)

6.12.1 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.

6.12.2 General

6.12.2.1 Prerequisite.

6.12.2.2 Admin Notes. The following requirements apply to the Levels of DASC Operational Tempo, where applicable:

Level 1: Minimum per hour: 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission.

Level 2: Minimum per hour: 4 F/W ATO missions, 4 R/W ATO missions, 3 immediate requests, and 2 fire missions.

Level 3: Minimum per hour: 6 F/W ATO missions, 6 R/W ATO missions, 4 immediate requests, and 3 fire missions.

Level 4: Minimum per hour: 8 F/W ATO missions, 8 R/W ATO missions, 5 immediate requests, and 4 fire missions.

Level 5: Minimum per hour: 10 F/W ATO missions, 10 R/W ATO missions, 6 immediate requests, and 5 fire missions.

6.12.2.3 Stages.

PAR NO.	STAGE NAME
6.12.3	ACADEMIC (ACAD)
6.12.4	TACTICAL DATA LINKS (TDL)
6.12.5	AIR SUPPORT ELEMENT (ASE)
6.12.6	AIR SUPPORT LIAISON TEAM (ASLT)
6.12.7	SENIOR AIR DIRECTOR (SAD)
6.12.8	DASC OFFICER IN CHARGE (DOIC)
6.12.9	FAMILIARIZATION (FAM)
6.12.10	COMMAND AND CONTROL SYSTEMS (C2SYS)

6.12.3 ACADEMIC (ACAD)

6.12.3.1 Purpose. To develop DASC knowledge in advanced datalinks.

6.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

ACAD-4000 1.5 * B G

Goal. Define Link 16 / Tactical Datalink J (TDL-J).

Requirement. With the aid of reference, perform the following:

1. Identify the characteristics of Time Division Multiple Access (TDMA).

- a. Define EPOCH.
 - b. Define a Frame.
 - c. Define a Timeslot.
2. Identify the frequency characteristics of Link 16.
3. Identify the types of Link 16 network connectivity.
4. Identify the purpose of Transmission Security (TSEC).
5. Identify the purpose of Mission Security (MSEC).
6. Identify the purpose of a Network Participation Group (NPG).
7. Identify the characteristics of Link 16 messages.
8. Identify Link 16 NPGs.
9. Define the term stacked net.
10. Identify the NPGs most commonly assigned as stacked nets.
11. Describe NPG 9 stacked net operation.
12. Identify Link 16 capable C2 units in the MAGTF.
13. Identify Link 16 capable aircraft in the MAGTF.

Performance Standard. With the aid of reference, pass an exam with a minimum score of 80%. Completion of JT-101 (Link 16 Joint Interoperability Course Web Based Training) satisfies the requirement.

Instructor. SI,WTI

Prerequisite. 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3151.01B, GCCS COP Reporting Requirements
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. Understanding Link 16: A guidebook for USN and USMC operators.
6. Understanding Link 16: A guidebook for USAF operators.

ACAD-4005	1.5	*	B	G

Goal. Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP.

Requirement. Given a USMTF User Formats, Link 16 network, Network Description Document, OPTASK LINK, Multi-TDL Architecture Diagram, Multi-TDL Network Cutsheet, and a filter plan; perform the following:

1. Explain the reason the DASC must plan Link 16 information exchanges based on a Forwarding JU Generic's (FJUG) network connectivity.
2. Identify the information security requirements for information exchanges.
3. Explain network time offsets.

4. Identify Link 16 networks range options.
5. Identify the requirements for Link 16 direct connectivity.
6. Identify the requirements for Link 16 indirect connectivity.
7. Identify the purpose of a Network Description Document (NDD).
8. Identify the information contained in the platform functional description table.
9. Identify the purpose of the connectivity matrix.
10. Identify the purpose of a slot group.
11. Identify relay slot groups in the connectivity matrix.
12. Describe net number assignments for slot groups.
13. Resolve a participant IDs for JUs using the service annexes.
14. Describe the modes of access given to units for time slot access.
15. Describe assignment values for participants in a slot group.

Performance Standard. With the aid of references, provide the instructor with the DASC MTN information exchanges. Minor errors corrected by the student are acceptable. Completion of JT-102 satisfies the requirement.

Instructor. SI,WTI

Prerequisite. 2005, 2010, 2035

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. How to read a Connectivity Matrix, Air Force Link 16 Network Design Facility, 2009
5. Guide to the USMTF User Formats-OPTASK LINK
6. Unit SOP

6.12.4 TACTICAL DATA LINK (TDL)

6.12.4.1 Purpose. To develop DASC experience in establishing and operating advanced datalinks.

6.12.4.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

TDL-4050	4.0	*	B	S/L

Goal. Operate a Joint Range Extension Gateway.

Requirement. Given a Joint Range Extension Gateway (JRE-GW), an OPTASK LINK, and a data network, demonstrate the ability to:

1. Connect the JRE Client to the JRE server.
2. Inspect/Configure own unit configuration:
 - a. JU Address
 - b. Message Forwarding Address (MSCT)
 - c. PPLI Message Format
 - d. Unit Position Source
 - e. Unit Position Location
 - f. Elevation
3. Load Raster Maps.
4. Configure filters IAW the OPTASK LINK.
5. Inspect link configurations.
6. Utilize the connection matrix to transmit data over the appropriate link
7. Utilize the connection matrix to receive data over the appropriate link
8. Activate links as required.
9. Coordinate links as required.
10. Deactivate links as required.

Performance Standard: Complete the requirements IAW the references. Tactical Data System Administrators may assist with steps (1), (2), (4), (6), (7), (8), (9) and (10) only.

Instructor. SI,WTI

Prerequisite. 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system.

Reference.

1. JRE Users Guide
2. TM 12041A/12050A-OD/2, System User Manual for CAC2S
3. CJCSM 6120.01, Joint Multi TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-3011, Joint Range Extension Application Protocol

TDL-4075	4.0	*	B	S/L

Goal. Supervise the coordination of Data Links

Requirement. Given a tactical data system, network initialization parameters, an OPTASK LINK, data link coordination net, a data network:

1. Verify briefer understands critical Multi Tactical Data Link architecture and includes in the crew pre-brief.
2. Verify briefer understands the DASC MTN information exchange requirements and includes them in the crew pre-brief.

3. Supervise net entry and data registration.
4. Verify C2 database entries are entered IAW the OPTASK LINK.
5. Verify TDL gateway database entries are entered IAW the OPTASK LINK.
6. Confirm the TDL gateway links are IAW the OPTASK LINK.
7. Verify TDL filters are entered IAW OPTASK LINK.
8. Update the DASC 13.5 Land Platform and System status.
9. Monitor data link network performance.
10. Perform link coordination functions as required.
11. Supervise net exit to ensure it is IAW the OPTASK LINK.

Performance Standard. Complete the requirement items IAW the references.

Instructor. SI,WTI

Prerequisite. 2030, 2035

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system. External JREAP capable system, Live/Virtual/Constructive Interface Coordination Cell, Live/Virtual/Constructive Forwarding JTIDS/MIDS Unit Generic.

Reference.

1. CJCSM 6120.01, Joint Multi TDL Operating Procedures
2. DASC SOP
3. U-DASC-PCL-5532, DASC Pocket Checklist
4. TO 3155-2TYQ123-8-1, JRE Users Guide
5. TM 12041A/12050A-OD/2, System User Manual for CAC2S

6.12.5 AIR SUPPORT ELEMENT (ASE)

6.12.5.1 Purpose. To develop proficiency in the art of integrating the ASE into amphibious operations.

6.12.5.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

ASE-4100	4	*	B	E	L/S

Goal. Perform ASE operations during an amphibious operation

Requirement. Given appropriate operations documents, a T/O and T/E and other planning documents, in accordance with the references, operate as an air support element officer during an amphibious operation. Conduct planning and execution for the following items:

1. Analyze and identify air support requirements for the GCE
2. Analyze information exchange requirements and conduct information exchange between the GCE and the supported SACC/LFOC
3. Understand GCE scheme of maneuver and its impacts on Air Support
4. Understand impacts on FSCM/ACM changes on Air Support Operations
5. Understand and utilize primary, secondary, and tertiary (as necessary) means of communication.
6. Understand the phases of phasing the MACCS ashore and its impact on the MACCS and supported MAGTF, as the operation develops
7. Understand Naval Fire Support Assets available and their employment

Performance Standard. Perform the requirement items. The GCE for this event may be live or simulated. This liaison can also take place in the Supporting Arms Coordination Center, Landing Force Operations Center, or throughout the Amphibious Tactical Air Control System (ATACS). Trainee can show understanding of requirements through execution or explanation to the instructor.

Instructor. BI/SI

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225, 3350

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. JP 3-02 Amphibious Operations
2. MCDP 1-0 Operations
3. MCWP 3-25 Control of Aircraft and Missiles
3. MCWP 3-25.5, DASC Handbook
4. MCWP 3-16, Fire Support Coordination in the GCE
5. MCWP 3-16.6 Supporting Arms, Observer, Spotter, and Controller
6. MCWP 3-31.6 Supporting Arms Coordination in Amphibious Operations
7. U-DASC-PCL-5532, DASC Pocket Checklist

6.12.7 SENIOR AIR DIRECTOR (SAD)

6.12.7.1 Purpose. To develop proficiency in the art of integrating deep fires with DASC operations.

6.12.7.2 General

Admin Note. None.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Crew Requirement. Core skill proficient DASC crew.

SAD-4150 1.0 * B E L/S

Goal. Coordinate deep fires

Requirement. In accordance with the references, coordinate the employment of deep fires (air-to-surface or surface to surface).

1. Demonstrate an understanding of the agencies involved in deep fires
2. Demonstrate an understanding of FSCMs and ACMs used in deep fires
3. Demonstrate an understanding of the weapons system used in MAGTF and Joint deep fires

Performance Standard. Coordinate deep fires in a timely manner utilizing the proper agencies, FSCM, and ACMs. Also, make correct weaponeering recommendations to the supported unit.

Instructor. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-2, S-6, MHE, air and fire support missions, digital backbone, TACC, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. MCRP 3-16.6A Multi-Service Procedures for Joint Application of Firepower
2. MCWP 3-16 Fire Support Coordination in the GCE
3. MCWP 3-16.6 Supporting Arms, Observer, Spotter, and Controller
4. FSCC Techniques and Procedures Smartpack (TTECG Jan 00)
5. TAGS MTTP
6. MCRP 3-25H, MTTP for Kill Box Employment
7. Intel Pub about GARS
8. MCWP 3-23.2, Deep Air Support

6.12.8 DASC OIC (DOIC)

6.12.8.1 Purpose. To develop technical expertise in DASC requirements for Phasing Control Ashore operations.

6.12.8.2 General

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Admin Notes. None

Crew Requirement. None

DOIC-4200 2.0 * B S

Goal. State the procedures and challenges of 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. SI,WTI

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5, DASC Handbook
2. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCPP
4. MAGTF Operations Ashore

5. JP 3-02 Joint Doctrine for Amphibious Operations
6. MCO 3501.9B Marine Corps Combat Readiness Evaluation System

6.12.9 FAMILIARIZATION (FAM)

6.12.9.1 Purpose. To facilitate the understanding of DASC operations through the familiarization with and observation of agencies/ organizations external to the DASC involved in aviation operations.

6.12.9.2 General

Admin Notes. The familiarization events contained in this phase are intended to complement the MACCS (8000) Stage and the MAGTF (8060) Stage of the ACPM. Each event is to be conducted as a tour of an operational facility under the guidance of a DASC SI or appropriate agency equivalent. Successful completion of the appropriate agency event contained in the ACPM

Prerequisite. None.

Crew Requirement. None.

FAM-4300	2.0	*	B	L

Goal. Observe the configuration and operation of a LAAD Battalion

Requirement. Tour the various configurations of the LAAD Bn at section, platoon and battery level.

Performance Standard. Complete a tour of a LAAD Bn

Instructor. SI,WTI.

Prerequisite. 8006

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. LAAD Bn

Reference. MCWP 3-25.10, LAAD Battalion Handbook

FAM-4305	2.0	*	B	L

Goal. Observe the configuration and operation of a Marine Air Traffic Control Mobile Team.

Requirement. Tour an operational MMT.

Performance Standard. Complete a tour of an MMT

Instructor. SI,WTI.

Prerequisite. 8005

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Operational MMT

Reference. MCWP 3-25.8, MATC Detachment Handbook

FAM-4300 2.0 * B L

Goal. Observe the configuration and operation of a Supporting Arms Coordination Center

Requirement. Observe a SACC.

Performance Standard. Complete a tour of a SACC.

Instructor. SI,WTI.

Prerequisite. 8001, 8062, 8063, 8065

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Operational SACC

Reference. JP 3-02, Joint Doctrine for Amphibious Operations

FAM-4300 2.0 * B L

Goal. Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center

Requirement. Observe an operational TACC/HDC.

Performance Standard. Complete a tour of a TACC/HDC.

Instructor. SI,WTI.

Prerequisite. 8001, 8062, 8063, 8065

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Operational TADC/HDC

Reference. JP 3-02, Amphibious Operations

6.11.10 Command and Control Systems (C2SYS)

6.11.10.1 Purpose. To develop proficiency in utilizing the command and control systems used in DASC operations.

6.11.10.2 General

Prerequisite.

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 DASC personnel position dependent. See the MAWTS-1 C3 Course Catalog for the events listed in the table below.

EVENT CODE	EVENT NAME	POSITION
C2SYS-4923	Operate CPOF	TAD, HD, SAD, DOIC
C2SYS-4941	Operate Web Development Software	SAD, DOIC
C2SYS-4942	Operate ADSI	TAD, HD, SAD, DOIC

Crew Requirement.

6.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

6.13.1 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.

6.13.2 General

6.13.2.1 Prerequisite.

6.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to concepts of managing a WTPP, 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.aspx>

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
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 Phase of training.

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

6.13.3 INSTRUCTOR UNDER TRAINING (IUT)

6.13.3.1 Purpose. To train the individual Marine in the skills required to lead a period of instruction.

6.13.3.2 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

6.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000)

6.14.1 Purpose. This phase provides for community standardization of DASC 7208 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.

6.14.2 General

6.14.2.1 Prerequisite.

6.14.2.2 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.

6.14.2.3 Stages. The following stages are included in this Phase of training.

PAR NO.	STAGE NAME
6.14.3	QUALIFICATIONS (QUAL)
6.14.4	DESIGNATIONS (DESG)
6.14.5	SCHOOL CODES (SCHL)
6.14.6	OPERATIONS CODES (OPS)

6.14.3 QUALIFICATIONS (QUAL) STAGE

6.14.3.1 Purpose. To qualify DASC Marines on their ability to perform as DASC 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.

6.14.3.2 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. None.

QUAL-6230 0.5 * B E L

Goal. Qualification as a Helicopter Director (HD).

Requirement. Complete the required training for HD. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. Proficiency demonstrated in prerequisites.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 8000, 8020, 8040, 8062

QUAL-6235 0.5 * B E L

Goal. Qualification as a Tactical Air Director (TAD).

Requirement. Complete the required training for TAD. Be recommended by a WTI to the commanding officer who will approve the qualification in writing. .

Performance Standard. Proficiency demonstrated in prerequisites.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 8000, 8020, 8040, 8062

QUAL-6240 2.0 1095 B,R,M E L

Goal. Qualification as Senior Air Director (SAD).

Requirement. A board will be convened to question the prospective SAD given the following stipulations:

1. The board will consist of three members:
 - a. 1 - DASC SAD WTI
 - b. 1 - Qualified DASC SAD
 - c. 1 - DASC Crew Chief WTI
2. The board will request 20 questions from MAWTS-1/C3 department.
3. The board will ask only the 20 questions provided and shall not deviate from them.

Performance Standard.

1. Answer 8 of 10 factual questions correctly.
2. Answer 8 of 10 questions pertaining to processes, decisional, and description, satisfactorily.
3. Two of three board members must concur trainee met the requirement.

Upon successful completion of this event, the Board will forward the results via the WTTP to the commanding officer who will make the final determination on the qualification it in writing.

Prerequisite. 2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060

OR

2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250

AND

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 6230, 6235, 8000, 8020, 8040, 8060

QUAL-6245 0.5 * B E L

Goal. Qualify as an ASLT OIC.

Requirement. Complete the required training in the HD POI. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Performance Standard. Proficiency demonstrated in prerequisites.

Prerequisite. 2250, 2255, 2260, 3300, 8000, 8020, 8060

QUAL-6250 0.5 * B E L

Goal. Qualify as an ASE OIC.

Requirement. Complete the required training in the ASE stage. Be recommended for qualification by a WTI and designated in writing by the commanding officer.

Performance Standard. Proficiency demonstrated in prerequisites.

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225, 3350

6.14.4 Designations (DESG)

6.14.4.1 Purpose. To provide for the designation of combat leaders and instructors.

6.14.4.2 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-6300 0.5 * B

Goal. Designation as a DASC OIC.

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

Prerequisite. 2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060

OR

2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250

AND

2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050,
2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170,
2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455,
2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921,
2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120,
3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235,
6240, 8000, 8020, 8040, 8060

DESG-6320 0.5 * B

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.

Prerequisite. 5000, 5010, 5020

DESG-6321 0.5 * B

Goal. Designation as Senior Instructor (SI).

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

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320.
Complete the M-SHARP formal training provided by the local
INNOVASI support personnel.

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.

Prerequisite. SCHL-6000.

6.14.5 SCHOOL CODES (SCHL) STAGE

6.14.5.1 Purpose. To provide tracking codes for required schools and
training.

6.14.5.2 General

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.

Admin Notes. The following table reflects skill enhancement
training available to DASC Marines:

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1
SCHL-6020	Link 16 Interoperability Course (JT-101)	Joint Knowledge Online (JKO)	A36L391
SCHL-6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	N/A
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

Crew Requirements. None.

6.14.6 OPERATIONS CODES (OPS) STAGE

6.14.6.1 Purpose. To provide tracking codes for operations and training.

6.14.6.2 General

Prerequisite. The training office will utilize the following codes to track operational training.

Admin Notes. These codes serve to track participation in operations/deployments and completion of the Machine Gunners and RSO courses.

Crew Requirements. None.

OPS-6455 0.5 * B

Goal. Track participation MEU deployments.

Requirement. Complete a MEU deployment as an ASNO or CC.

Performance Standard. Perform assigned duties while a participant of the deployment.

OPS-6465 0.5 * B

Goal. Track completion of Range Safety Officers (RSO) courses.

Requirement. Complete the RSO course.

Performance Standard. Per course POI.

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

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)

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.

COND-7400 3.0 365 B,R,M ASLT/DASC E L/S

Goal. Employ an ASLT.

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 an ASLT to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey

6. Identify, create, and finalize administrative documents supporting the operation
6. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of ASLT personnel
10. Conduct ASLT operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASLT operations supporting the DASC during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASLT Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. FSCC, air and fire support missions as defined by operational tempo level three, a DASC, S-1, S-2, S-3, S-4, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7405	3.0	365	B,R,M	ASE	E	L/S

Goal. Employ an ASE.

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 an ASE to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
6. Identify, create, and finalize administrative documents supporting the operation
6. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of ASE personnel
10. Conduct ASE operations
11. Conduct crew evaluations

12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASE operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASE Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions as defined by operational tempo three, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7410	3.0	365	B,R,M	E	L/S

Goal. Employ a DASC.

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 DASC to include the following:

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

Performance Standard. Perform the requirement items listed and conduct DASC operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Minimum of two CMMR DASC Crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7415	3.0	365	B,R,M	E	L/S

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

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 DASC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect DASC communication
3. Coordinate with the FSCC to provide DASC 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 DASC

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

Prerequisite.

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. MASS Detachment Commander, DASC Chief, security team, Representatives from the following sections: S-4, S-2, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-16.3, TTP for the Field Artillery Cannon Battery
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7420 3.0 365 B,R,M DASC E L/S

Goal. Conduct Echelon Operations.

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, conduct echelon operations to include the following:

1. Continue DASC operations without pause or loss of situational awareness
2. Checklists for the transfer of control are on hand and are utilized
3. Deploy the echelon element to the new position
4. Brief the operational crew concerning their duties for passage of control
5. Establish and maintain DASC communications requirement
6. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
7. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
8. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft is verified
9. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft is verified
10. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
11. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
12. Maintain continuous coordination with adjacent and higher agencies during preparation for and transfer of OAS/AS control, if required
13. Pass control of DASC functions to the echelon element
14. Notify the TACC, FSCC, and other agencies, as necessary, control has been passed
15. Recover the rear element into the DASC when echelon operations have concluded
16. Debrief with the DASC OIC and DASC Chief

Performance Standard. Perform the requirement items listed to conduct echelon operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Two CMMR DASC crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7425	3.0	365	B,R,M	DASC	E	S/L

Goal. Conduct Phasing of Control Ashore.

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, conduct phasing of control ashore to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Checklists for the transfer of control ashore are on hand and utilized
3. Review the procedures delineated in the operation plan/other directives for the phasing of control ashore and keeps the Naval Tactical Air Control Center informed of current status
4. Deploy ashore
5. Brief the operational crew concerning their duties for the passage of control
6. Establish and maintain DASC specific communication requirements
7. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
8. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
9. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft
10. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft
11. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
12. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
13. Ensure all requirements have been met and then advise the TACC (afloat) and FSCC that the DASC is prepared for the phasing of control of OAS/AS ashore

14. Ensure the preplanned sequence of phasing control of OAS/AS ashore is completed and the SAD acknowledges/produces any reports required
15. Advise CLF when ready to assume control of all or a portion of direct air support ashore (specify OAS, Assault Support, Air Recce, EW) at a specified date and time
16. Advise CLF that control has been transferred and the date/time group that transfer was accomplished
17. Advise the TACC (afloat)/TADC (ashore) and FSCC that the DASC now has control referencing date and time (local)
18. Maintain continuous coordination with adjacent and higher agencies
19. Notify all adjacent agencies when transfer of control is completed
20. As necessary, DASC/SACC liaison team provides further updates of information upon arrival at DASC site

Performance Standard. Perform the requirement items listed to conduct phasing control ashore during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. ASE, DASC

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, Navy TACC, FSCC, Marine TACC, LFOC, SACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP
4. MCWP 3-16.3, Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery, Chapter 2, Reconnaissance, Selection, and Occupation of a Position
5. JP 3-02.1 Joint Doctrine for Landing Forces Operations
6. MCWP 3-40.3 MAGTF Communications System

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	MACCS		1	3000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	3000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	3000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	3000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	3000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	3000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	3000 PHASE
ACPM	8006	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	3000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	3000 PHASE
ACPM	8020	ACE		1	3000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	3000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	3000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	3000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	3000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	3000 PHASE
ACPM	8026	ANTI-AIR WARFARE		4	3000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	3000 PHASE
ACPM	8040	THREAT		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	MAGTF		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	3001 PHASE
ACPM	8066	UAS SUPPORT OF THE MAGTRF		4	3002 PHASE
ACPM	8080	JOINT AIR OPERATIONS		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	8086	JOINT AIRSPACE CONTROL		4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000 PHASE
TOTAL ACPM STAGE			40	145	

6.17 T&R ATTAIN AND MAINTAIN TABLES

DASC MOS 7208											
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 the Joint Data Network	ACAD	2000	*	ACAD	2000					-	-
Describe the Multi Tactical Datalink Network (MTN)	ACAD	2005	*	ACAD	2005					2000	-
Describe track information displayed within the DASC	ACAD	2010	*	ACAD	2010					2000, 2005	-
Describe the Joint Range Extension Application Protocol (JREAP)	ACAD	2015	*	ACAD	2015					2000, 2005	-
Identify the elements of track data coordination	ACAD	2020	*	ACAD	2020					-	-
Describe Datalink Filters	ACAD	2025	*	ACAD	2025					2000, 2005, 2015	-
Identify positions in the Multi Tactical Datalink Network (MTN)	ACAD	2030	*	ACAD	2030					2000, 2005, 2015	-
Identify DASC specific parts of the OPTASK LINK message	ACAD	2035	*	ACAD	2035					2005, 2025, 2030	-

										2000, 2005	
Define information related to TDL tracks	ACAD	2040	*	ACAD	2040						-
Identify DASC crew positions	ACAD	2045	*	ACAD	2045					8003	-
Identify storage and handling of classified material	ACAD	2050	*	ACAD	2050					-	-
Identify Airspace Coordination Measures (ACM)/ Fire Support Coordination Measures (FSCM)	ACAD	2055	*	ACAD	2055					-	-
Identify weather reports and impacts of weather on aviation operations	ACAD	2060	*	ACAD	2060					-	-
Describe aviation ordnance	ACAD	2065	*	ACAD	2065					-	-
Describe current man portable radios	COMM	2115	*	COMM	2115					-	-
Describe current HF/VHF radios	COMM	2120	*	COMM	2120					-	-
Identify communication problems	COMM	2130	*	COMM	2130					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	-

Identify the characteristics, capabilities and limitations of the CS	EQUIP	2150	*	EQUIP	2150					2115, 2120	-
Employ and maintain organic DASC shelter	EQUIP	2155	*	EQUIP	2155					-	-
Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS	EQUIP	2160	*	EQUIP	2160					-	-
Identify the characteristics, capabilities and limitations of the DASC MRC vehicles	EQUIP	2165	*	EQUIP	2165					2115, 2120	-
Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)	EQUIP	2170	*	EQUIP	2170					-	-

									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062	
									OR	
									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062	
									AND 8060	
Brief a GCE Scheme of Maneuver	ASE	2200	*	ASE	2200					-
									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062	
									OR	
									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062	
									AND 8060	
Brief the purpose, capabilities and limitations of an ASE to a GCE/ACE Commander	ASE	2205	730	ASE	2205	ASE	2205	ASE	2205	-

										2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	
Explain the targeting cycle	ASE	2210	365	ASE	2210	ASE	2210	ASE	2210		-
Explain the purposes of Navy Amphibious Ships	ASE	2215	365	ASE	2215	ASE	2215	ASE	2215	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

Brief the roles and responsibilities of Key Personnel in the SACC/LFOC/FSCC	ASE	2220	*	ASE	2220				2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-
Define the the Navy Tactical Air Control System	ASE	2225	*	ASE	2225				2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

Brief a GCE Scheme of Maneuver	ASLT	2250	*	ASLT	2250					8000, 8020, 8060	-
Brief the purpose, capabilities and limitations of the ASLT	ASLT	2255	730	ASLT	2255	ASLT	2255	ASLT	2255	8000, 8020, 8060	-
State the configuration of a TACP	ASLT	2260	730	ASLT	2260	ASLT	2260	ASLT	2260	8000, 8020, 8060	-
Direct the creation and conduct of a DASC Drill	DOIC	2300	*	DOIC	2300					8000, 8020, 8040	-
Conduct DASC site selection	DOIC	2305	*	DOIC	2305					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	-
Describe DASC displacement operations	DOIC	2310	*	DOIC	2310					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	-

									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060	
Determine DASC requirements	DOIC	2315	*	DOIC	2315					-
									2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060	
Develop and Execute a load plan	DOIC	2320	*	DOIC	2320					-
									8001, 8003, 8023	
Observe a Tactical Air Control Party (TACP)	FAM	2350	*	FAM	2350					-
Observe a TACC COPS	FAM	2355	*	FAM	2355				8001, 8002, 8003	-
Observe VMU operations	FAM	2360	*	FAM	2360				8001, 8003, 8007	-
Observe a Fire Support Coordination Center (FSCC)	FAM	2365	*	FAM	2365				8001, 8003, 8062	-
Observe the TAOC	FAM	2370	*	FAM	2370				8001, 8003, 8004	-
Observe an Air Traffic Control Facility (ATCF)	FAM	2375	*	FAM	2375				8001, 8003, 8005	-

Extract critical information from the ATO, ACO, and SPINS documents	CTRL	2400	*	CTRL	2400					8000, 8020, 8040	-
Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment	CTRL	2405	365	CTRL	2405	CTRL	2405	CTRL	2405	8000, 8020, 8040	-
Maintain information on the DASC Tactical Display	CTRL	2410	*	CTRL	2410					2000, 2005, 2010, 2015, 2025, 2040, 8000, 8020, 8040	-
Level 1 - Control FW or RW aircraft	CTRL	2415	*	CTRL	2415					2400, 2410, 8000, 8020, 8040	-
Level 2 - Control FW or RW aircraft	CTRL	2420	*	CTRL	2420					2400, 2410, 2415, 8000, 8020, 8040	-
Level 3 - Control FW or RW aircraft	CTRL	2425	730	CTRL	2425	CTRL	2425	CTRL	2425	2400, 2410, 2415, 2420, 8000, 8020, 8040	-
Conduct Senior Air Director (SAD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment	SAD	2450	*	SAD	2450					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

Conduct the duties of Senior Air Director (SAD) during echelon operations and passage of control	SAD	2455	*	SAD	2455					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
State the duties and responsibilities of a DASC Senior Air Director	SAD	2460	*	SAD	2460					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2210, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Match appropriate available aviation assets with requests	SAD	2465	*	SAD	2465					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Determine prioritization of communication links	SAD	2470	*	SAD	2470					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

Extract critical information from supporting documents	SAD	2475	*	SAD	2475					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Set up profile on TBMCS client	C2SYS	2900	*	C2SYS	2900					-	-
Access TBMCS on line master help index	C2SYS	2901	*	C2SYS	2901					2900	-
Utilize the TBMCS alerts service web application	C2SYS	2902	*	C2SYS	2902					2901	-
Operate Map Manager	C2SYS	2903	*	C2SYS	2903					2902	-
Operate Web Mapping	C2SYS	2904	*	C2SYS	2904					2902	-
Import an airspace group	C2SYS	2913	*	C2SYS	2913					-	-
Demonstrate proficiency publishing the ATO	C2SYS	2917	*	C2SYS	2917					-	-
Operate AFATDS	C2SYS	2920	*	C2SYS	2920					-	-
Operate C2PC	C2SYS	2921	*	C2SYS	2921					-	-
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		
Level 1 - Control RW aircraft	HD	3000	*	HD	3000					2400, 2410, 8000, 8020, 8040, 8062	-
Level 2 - Control RW aircraft	HD	3005	*	HD	3005					2400, 2410, 3000, 8000, 8020, 8040, 8062	-
Level 3 - Control RW aircraft	HD	3010	1460	HD	3010	HD	3010	HD	3010	2400, 2410, 3000, 3005, 8000, 8020, 8040	
Level 4 - Control RW aircraft	HD	3015	*	HD	3015					2400, 2410, 3000, 3005, 3010, 8000, 8020, 8040	
Level 5 - Control RW aircraft	HD	3020	*	HD	3020					2400, 2410, 3000, 3005, 3010, 3015, 8000, 8020, 8040	-
Level 1 - Control FW aircraft	TAD	3100	*	TAD	3100					2400, 2410, 8000, 8020, 8040	-
Level 2 - Control FW aircraft	TAD	3105	*	TAD	3105					2400, 2410, 3100, 8000, 8020, 8040	-
Level 3 - Control FW aircraft	TAD	3110	1460	TAD	3110	TAD	3110	TAD	3110	2400, 2410, 3100, 3105, 8000, 8020, 8040	
Level 4 - Control FW aircraft	TAD	3115	*	TAD	3115					2400, 2410, 3100, 3105, 3110, 8000, 8020, 8040	

Level 5 - Control FW aircraft	TAD	3120	*	TAD	3120					2400, 2410, 3100, 3105, 3110, 3115, 8000, 8020, 8040	-
Level 1 - Perform as an SAD	SAD	3200	*	SAD	3200					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Level 2 - Perform as an SAD	SAD	3205	*	SAD	3205					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Level 3 - Perform as an SAD	SAD	3210	1460	SAD	3210	SAD	3210	SAD	3210	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Level 4 - Perform as an SAD	SAD	3215	*	SAD	3215					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

										2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3215, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Level 5 - Perform as an SAD	SAD	3220	*	SAD	3220						
Manage a DASC extension	SAD	3225	730	SAD	3225	SAD	3225	SAD	3225	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Coordinate Airspace with Joint aviation C2 Agency(ies) within a joint environment	SAD	3230	365	SAD	3230	SAD	3230	SAD	3230	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Coordinate airspace for Guided Multiple Launch Rocket System (GMLRS) or Army Tactical Missile System (ATACMS)	SAD	3235	365	SAD	3235	SAD	3235	SAD	3235	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

Utilize an execution checklist item	SAD	3240	365	SAD	3240	SAD	3240	SAD	3240	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Perform as an ASLT OIC	ASLT	3300	730	ASLT	3300	ASLT	3300	ASLT	3300	2250, 2255, 2260, 8000, 8020, 8060	-
Perform ASE operations	ASE	3350	730	ASE	3350	ASE	3350	ASE	3350	2200, 2205, 2210, 2215, 2220, 2225	-
Conduct the duties of a DASC OIC during a field deployment/exercise	DOIC	3400	730	DOIC	3400	DOIC	3400	DOIC	3400	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060	-
CORE PLUS SKILL (4000 Phase)											
T&R EVENT INFORMATION	BASIC POI					REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Define Link 16 / Tactical Datalink J (TDL-J)	ACAD	4000	*	ACAD	4000					2005	-
Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP	ACAD	4005	*	ACAD	4005					2005, 2010, 2035	-
Operate a Joint Range Extension Gateway	TDL	S4050	*	TDL	4050					2015	-
Supervise the coordination of Data Links	TDL	S4075	*	TDL	4075					2030, 2035	-

Perform ASE operations during an amphibious operation	ASE	4100	*	ASE	4100					2200, 2205, 2210, 2215, 2220, 2225, 3350	-
Coordinate deep fires	SAD	4150	*	SAD	4150					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
State the procedures and challenges of Phasing Control Ashore	DOIC	4200	*	DOIC	4200					2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
Observe the configuration and operation of a LAAD Battalion	FAM	4300	*	FAM	4300					8006	-
Observe the configuration and operation of a Marine Air Traffic Control Mobile Team	FAM	4305	*	FAM	4305					8005	
Observe the configuration and operation of a Supporting Arms Coordination Center	FAM	4310	*	FAM	4310					8001, 8062, 8063, 8065	

Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center	FAM	4315	*	FAM	4315					8001, 8062, 8063, 8065	-
Operate CPOF	C2SYS	4923	*	C2SYS	4923					-	-
Operate Web Development Software	C2SYS	4941	*	C2SYS	4941					-	

6.18 T&R SYLLABUS MATRIX

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																	
AIRS	1000	Identify components of MAGTF Operations	B	E	G	-	-	-	*		0		0		0	-	
AIRS	1002	Identify how the Marine Aircraft Wing supports the MAGTF	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1004	Identify Offensive Air Support (OAS)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1006	Identify Assault Support (AS)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1008	Identify Aerial Reconnaissance	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1010	Identify Anti-Air Warfare (AAW)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1012	Identify Electronic Warfare (EW)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1014	Identify Control of Aircraft and Missiles	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1016	Identify threats to the Marine Air Ground Task Force (MAGTF)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1018	React to Threats affecting DASC Operations	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1020	Extract critical information from operations documents for the DASC	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1022	State the proper procedures for handling and storage of classified materials	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1024	Identify Air Support Communications Equipment	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1026	Identify the purpose of Common Aviation Command and Control System (CAC2S) components	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1028	Conduct communications utilizing CAC2S	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1030	Conduct Information Security during DASC Operations	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1032	Plot Direct Air Support Information	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1034	Receive and process immediate air support requests	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1036	Operate Tactical Display Framework (TDF)	B	E	G	-	-	-	*		0		0		0	-	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
AIRS	1038	Operate Joint Tactical Common Operational Picture Workstation (JTCW) Client	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1040	Familiarize the operator on Theater Battle Management Core System (TBMCS) for direct air support operations	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1042	Operate the Effects Management Tool (EMT)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1044	Define elements of information exchange within the MAGTF Communications System	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1046	Identify the components of the air picture	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1048	Perform as a Tactical Air Director (TAD)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1050	Perform as the Helicopter Air Director (HD)	B	E	G	-	-	-	*		0		0		0	-	-
AIRS	1052	Explain the fundamentals of Aviation Command and Control (AC2) employment	B	E	G	-	-	-	*		0		0		0	-	-
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										26	0	0	0	0	0		
CORE SKILL TRAINING (2000 PHASE EVENTS)																	
CORE SKILL ACADEMICS (ACAD)																	
ACAD	2000	Describe the Joint Data Network	B	E	G	-	-	-	*		1		0		0	-	-
ACAD	2005	Describe the Multi Tactical Datalink Network (MTN)	B	E	G	-	-	-	*		1		0		0	2000	-
ACAD	2010	Describe track information displayed within the DASC	B	E	G	-	-	-	*		1		0		0	2000, 2005	-
ACAD	2015	Describe the Joint Range Extension Application Protocol (JREAP)	B	E	G	-	-	-	*		1		0		0	2000, 2005	-
ACAD	2020	Identify the elements of track data coordination	B	E	G	-	-	-	*		1		0		0	-	-
ACAD	2025	Describe Datalink Filters	B	E	G	-	-	-	*		1		0		0	2000, 2005, 2015	-
ACAD	2030	Identify positions in the Multi Tactical Datalink Network (MTN)	B	E	G	-	-	-	*		1		0		0	2000, 2005, 2015	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ACAD	2035	Identify DASC specific parts of the OPTASK LINK message	B	E	G	-	-	-	*		1		0		0	2005, 2025, 2030	-
ACAD	2040	Define information related to TDL tracks	B	E	G	-	-	-	*		1		0		0	2000, 2005	-
ACAD	2045	Identify DASC crew positions	B	E	G	-	-	-	*		1		0		0	8003	-
ACAD	2050	Identify storage and handling of classified material	B	E	G	-	-	-	*		1		0		0	-	-
ACAD	2055	Identify Airspace Coordination Measures / Fire Support Coordination Measures	B	E	G	-	-	-	*		1		0		0	-	-
ACAD	2060	Identify weather reports and impacts of weather on aviation operations	B	E	G	-	-	-	*		1		0		0	-	-
ACAD	2065	Describe aviation ordnance	B	E	G	-	-	-	*		1		0		0	-	-
TOTAL CORE SKILL ACADEMIC STAGE (ACAD)										14	14	0	0	0	0		
COMMUNICATIONS SKILLS (COMM)																	
COMM	2115	Describe current man portable radios	B	-	L	-	-	-	*		0		0		1	-	-
COMM	2120	Describe current HF/VHF radios	B	-	L	-	-	-	*		0		0		1	-	-
COMM	2130	Identify communication problems	B	-	L	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	-
TOTAL COMMUNICATION SKILLS STAGE (COMM)										0	0	1	0	6	3		
EQUIPMENT (EQUIP)																	
EQUIP	2150	Identify the characteristics, capabilities and limitations of the CS	B	-	L	-	-	D	*		0		0		2	2115, 2120	-
EQUIP	2155	Employ and maintain organic DASC shelter	B	-	L	-	-	D	*		0		0		2	-	-
EQUIP	2160	Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS	B	-	L	-	-	D	*		0		0		1	-	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
EQUIP	2165	Identify the characteristics, capabilities and limitations of the DASC MRC vehicles	B	-	L	-	-	D	*		0		0		1	2115, 2120	-
EQUIP	2170	Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)	B	-	L	-	-	D	*		0		0		2	-	-
TOTAL EQUIPMENT SKILLS STAGE (EQUIP)										0	0	0	0	5	6		
AIR SUPPORT ELEMENT (ASE)																	
ASE	2200	Brief a GCE Scheme of Maneuver	B	E	L/S	-	-	D	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ASE	2205	Brief the purpose, capabilities and limitations of an ASE to a GCE/ACE Commander	B,R,M	E	L/S	-	-	D	730		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ASE	2210	Explain the targeting cycle	B,R,M	E	L	-	-	D	365		0		0		3	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ASE	2215	Explain the purposes of Navy Amphibious Ships	B,R,M	E	L	-	-	D	365		0		0		3	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ASE	2220	Brief the roles and responsibilities of Key Personnel in the SACC/LFOC/FSCC	B	E	L/S	-	-	D	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
ASE	2225	Define the Navy Tactical Air Control System	B	E	L	-	-	D	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 6230, 8000, 8020, 8040, 8062 OR 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 6235, 8000, 8020, 8040, 8062 AND 8060	-
TOTAL AIR SUPPORT ELEMENT SKILLS STAGE (ASE)										0	0	0	0	6	10		
AIR SUPPORT LIAISON TEAM (ASLT)																	
ASLT	2250	Brief a GCE Scheme of Maneuver	B	E	L/S	-	-	D	*		0		0		1	8000, 8020, 8060	-
ASLT	2255	Brief the purpose, capabilities and limitations of the ASLT	B,R,M	E	L	-	-	D	730		0		0		1	8000, 8020, 8060	-
ASLT	2260	State the configuration of a TACP	B	-	L	-	-	D	*		0		0		1	8000, 8020, 8060	-
TOTAL AIR SUPPORT LIAISON TEAM SKILLS STAGE (ASLT)										0	0	0	0	0	3		
DASC OIC (DOIC)																	
DOIC	2300	Create and supervise the conduct of a DASC Drill	B	-	S	-	-	-	*		0		80		0	8000, 8020, 8040	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
DOIC	2305	Conduct DASC site selection	B	-	L/S	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	
DOIC	2310	Describe DASC displacement operations	B	-	S	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8062	
DOIC	2315	Determine DASC requirements	B	-	L	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
DOIC	2320	Develop a load plan	B	-	L	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060	
TOTAL DASC OIC SKILLS STAGE (DOIC)										0	0	1	80	4	7		
FAMILIARIZATION (FAM)																	
FAM	2350	Observe a Tactical Air Control Party (TACP)	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8023	-
FAM	2355	Observe a TACC COPS	B	-	L	-	-	D	*		0		0		2	8001, 8002, 8003	-
FAM	2360	Observe VMU operations	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8007	-
FAM	2365	Observe a Fire Support Coordination Center (FSCC)	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8062	-
FAM	2370	Observe the TAOC	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8004	-
FAM	2375	Observe an Air Traffic Control Facility (ATCF)	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8005	
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)										0	0	0	0	6	12		
PROCEDURAL CONTROL SKILLS (CTRL)																	
CTRL	2400	Extract critical information from the ATO, ACO, and SPINS documents	B	-	L	-	-	-	*		0		0		2	8000, 8020, 8040	-
CTRL	2405	Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment	B,R,M	-	S/L	-	-	-	365		0		0		4	8000, 8020, 8040	
CTRL	2410	Maintain information on the DASC Tactical Display	B	-	L/S	-	-	-	*		0		0		2	2000, 2005, 2010, 2015, 2025, 2040, 8000, 8020, 8040	
CTRL	2415	LEVEL 1 - Control of FW or RW aircraft	B	-	L/S	-	-	-	*		0		0		2	2400, 2410, 8000, 8020, 8040	
CTRL	2420	LEVEL 2 - Control of FW or RW aircraft	B	-	L/S	-	-	-	*		0		0		4	2400, 2410, 2415, 8000, 8020, 8040	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
CTRL	2425	LEVEL 3 - Control of FW or RW aircraft	B,R,M	-	L/S	-	-	-	730		0		0		4	2400, 2410, 2415, 2420, 8000, 8020, 8040	
TOTAL PROCEDURAL CONTROL SKILLS STAGE (CTRL)										0	0	0	0	6	18		
SENIOR AIR DIRECTOR (SAD)																	
SAD	2450	Conduct Senior Air Director (SAD) duties in a Chemical, Biological, Radiological, Nuclear (CBRN) environment	B	-	S/L	-	-	-	*		0		4		0	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	2455	Conduct the duties of Senior Air Director (SAD) during echelon operations and passage of control	B,R	-	S/L	-	-	-	*		0		8		0	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	2460	State the duties and responsibilities of a DASC Senior Air Director	B	-	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2210, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SAD	2465	Match appropriate available aviation assets with requests	B	-	L	-	-	-	*		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	2470	Determine prioritization of communication links	B	-	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	2475	Extract critical information from supporting documents	B	-	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
TOTAL SENIOR AIR DIRECTOR SKILLS STAGE (SAD)										0	0	2	12	4	7		
COMMAND AND CONTROL SYSTEMS (C2SYS)																	
C2SYS	2900	Set up profile on TBMCS client	B	-	G	-	CBT	D	*		0		0		1	-	TBMCS
C2SYS	2901	Access TBMCS Online Master Help Index	B	-	G	-	CBT	D	*		0		0		1	2900	TBMCS
C2SYS	2902	Utilize the TBMCS Alerts Service Web Applications	B	-	G	-	CBT	D	*		0		0		2	2901	TBMCS
C2SYS	2903	Use TBMCS Map Manager	B	-	G	-	CBT	D	*		0		0		1	2902	TBMCS
C2SYS	2904	Operate Web Mapping	B	-	G	-	CBT	D	*		0		0			2902	TBMCS
C2SYS	2917	Publish the ATO	B	-	G	-	CBT	D	*		0		0		1	-	TBMCS

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
C2SYS	2920	Operate AFATDS	B	-	G	-	CBT	D	*		0		0		4	-	AFATDS
C2SYS	2921	Operate C2 Personal Computer (C2PC)	B	-	G	-	CBT	D	*		0		0		4	-	C2PC
C2SYS	2940	Set up and establish communications utilizing an IRC network	B	-	G	-	CBT	D	*		0		0		1	-	PC
TOTAL COMMAND AND CONTROL SYSTEM SKILLS STAGE (C2SYS)										0	0	0	0	14	15		
TOTAL CORE SKILL PHASE (2000 PHASE)										14	14	4	92	51	80		
MISSION SKILL TRAINING (3000 PHASE EVENTS)																	
HELICOPTER DIRECTOR SKILLS (HD)																	
HD	3000	Level 1 - Control RW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 8000, 8020, 8040, 8062	-
HD	3005	Level 2 - Control RW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3000, 8000, 8020, 8040, 8062	-
HD	3010	Level 3 - Control RW aircraft	B,R,M	E	L/S	-	-	D	1460		0		0		4	2400, 2410, 3000, 3005, 8000, 8020, 8040	-
HD	3015	Level 4 - Control RW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3000, 3005, 3010, 8000, 8020, 8040	-
HD	3020	Level 5 - Control RW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3000, 3005, 3010, 3015, 8000, 8020, 8040	-
TOTAL HELICOPTER DIRECTOR SKILLS STAGE (HD)										0	0	0	0	5	20		
TACTICAL AIR DIRECTOR (TAD)																	
TAD	3100	Level 1 - Control FW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 8000, 8020, 8040	-
TAD	3105	Level 2 - Control FW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3100, 8000, 8020, 8040	-
TAD	3110	Level 3 - Control FW aircraft	B,R,M	E	L/S	-	-	D	1460		0		0		4	2400, 2410, 3100, 3105, 8000, 8020, 8040	-
TAD	3115	Level 4 - Control FW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3100, 3105, 3110, 8000, 8020, 8040	-
TAD	3120	Level 5 - Control FW aircraft	B	-	L/S	-	-	D	*		0		0		4	2400, 2410, 3100, 3105, 3110, 3115, 8000, 8020, 8040	-
TOTAL TACTICAL AIR DIRECTOR SKILLS STAGE (TAD)										0	0	0	0	5	20		
SENIOR AIR DIRECTOR (SAD)																	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SAD	3200	Level 1 - Perform as an SAD	B	-	L/S	-	-	D	*		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	3205	Level 2 - Perform as an SAD	B	-	L/S	-	-	D	*		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	3210	Level 3 - Perform as an SAD	B,R,M	E	L/S	-	-	D	1460		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SAD	3215	Level 4 - Perform as an SAD	B	-	L/S	-	-	D	*		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	3220	Level 5 - Perform as an SAD	B	-	L/S	-	-	D	*		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3215, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
SAD	3225	Manage a DASC extension	B,R,M	E	L/S	-	-	D	730		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SAD	3230	Coordinate airspace with Joint Aviation C2 agency(ies) within a joint environment	B,R,M	E	S/L	-	-	D	365		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	
SAD	3235	Coordinate airspace for Guided Multiple Launch Rocket System (GMLRS) or Army Tactical Missile System (ATACMS)	B,R,M	E	S/L	-	-	D	365		0		0		4	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	
SAD	3240	Utilize the execution checklist item	B,R,M	E	L/S	-	-	D	365		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	
TOTAL SENIOR AIR DIRECTOR SKILLS STAGE (SAD)										0	0	0	0	9	33		
AIR SUPPORT LIAISON TEAM OIC (ASLT)																	
ASLT	3300	Perform as an ASLT OIC	B,R,M	E	L/S	-	-	D	730		0		0		4	2250, 2255, 2260, 8000, 8020, 8060	-
TOTAL AIR SUPPORT LIAISON TEAM OIC SKILLS STAGE (ASLT)										0	0	0	0	1	4		
AIR SUPPORT ELEMENT OIC (ASE)																	
ASE	3350	Perform ASE operations	B,R,M	E	L/S	-	-	D	730		0		0		4	2200, 2205, 2210, 2215, 2220, 2225	-
TOTAL AIR SUPPORT ELEMENT OIC SKILLS STAGE (ASE)										0	0	0	0	1	4		
DASC OIC (DOIC)																	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
DOIC	3400	Conduct the duties of a DASC OIC during a field deployment/exercise	B,R,M	E	L/S	-	-	D	730		0		0		120	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060	-
TOTAL DASC OIC SKILLS STAGE (DOIC)										0	0	0	0	1	120		
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	0	0	22	201		
CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)																	
ACADEMICS (ACAD)																	
ACAD	4000	Define Link 16 / Tactical Datalink J (TDL-J)	B	-	G	-	-	D	*		2		0		0	2005	-
ACAD	4005	Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP	B	-	G	-	-	D	*		2		0		0	2005, 2010, 2035	-
TOTAL ACADEMIC SKILLS STAGE (ACAD)										2	3	0	0	0	0		
TACTICAL DATA LINK (TDL)																	
TDL	4050	Operate a Joint Range Extension Gateway	B	-	S/L	-	-	D	*		0		4		0	2015	-
TDL	4075	Supervise the coordination of Data Links	B	-	S/L	-	-	D	*		0		4		0	2030, 2035	-
TOTAL TACTICAL DATA LINK SKILLS STAGE (TDL)										0	0	2	8	0	0		
AIR SUPPORT ELEMENT (ASE)																	
ASE	4100	Perform as a plotter	B	E	L/S	-	-	D	*		0		0		4	2200, 2205, 2210, 2215, 2220, 2225, 3350	-
TOTAL AIR SUPPORT ELEMENT SKILLS STAGE (ASE)										0	0	0	0	1	4		
SENIOR AIR DIRECTOR (SAD)																	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
SAD	4150	Coordinate deep fires	B	E	L/S	-	-	D	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
TOTAL SENIOR AIR DIRECTOR SKILLS STAGE (SAD)										0	0	0	0	1	1		
DASC OIC (DOIC)																	
DOIC	4200	State the procedures and challenges of Phasing Control Ashore	B	-	S	-	-	D	*		0		0		2	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2820, 2825, 2830, 2835, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 6230, 6235, 8000, 8020, 8040, 8060, 8080	-
TOTAL DASC OIC SKILLS STAGE (DOIC)										0	0	0	0	4	2		
FAMILIARIZATION (FAM)																	
FAM	4300	Observe the configuration and operation of a LAAD Battalion	B	-	L	-	-	D	*		0		0		2	8006	-
FAM	4305	Observe the configuration and operation of a Marine Air Traffic Control Mobile Team	B	-	L	-	-	D	*		0		0		2	8005	-
FAM	4310	Observe the configuration and operation of a Supporting Arms Coordination Center (SACC)	B	-	L	-	-	D	*		0		0		2	8001, 8062, 8063, 8065	-
FAM	4315	Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center (TACC/HDC)	B	-	L	-	-	D	*		0		0		2	8001, 8062, 8063, 8065	-
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)										0	0	0	0	5	8		

DASC 7208 T&R SYLLABUS MATRIX																		
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE	
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME			
COMMAND AND CONTROL SYSTEMS (C2SYS)																		
C2SYS	4923	Operate Command Post of the Future (CPoF)	B	-	G	-	-	D	*		4		0		0	-	CPoF	
C2SYS	4941	Operate Web Development Software	B	-	G	-	-	D	*		4		0		0	-		
C2SYS	4942	Operate Air Defense System Integrator	B	-	G	-	-	D	*		4		0		0	-	ADS	
TOTAL COMMAND AND CONTROL SYSTEMS SKILLS STAGE (C2SYS)										3	12	0	0	0	0			
TOTAL CORE PLUS SKILL PHASE (4000 PHASE)										5	15	2	8	11	15			
TOTAL 2000, 3000, AND 4000 PHASE										19	29	6	100	84	296			
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																		
INSTRUCTOR UNDER TRAINING (IUT)																		
BASIC INSTRUCTOR (BI)																		
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		2		0		0	Recommended by SI or WTI	-	
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		1		0		0	Recommended by SI or WTI	-	
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		2		0		0	Recommended by SI or WTI	-	
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										3	5	0	0	0	0			
SENIOR INSTRUCTOR (SI)																		
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		2		0		0	5000, 5010, 5020, 6320	-	
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		2		0		0	5000, 5010, 5020, 6320	-	
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		2		0		0	5000, 5010, 5020, 6320	-	
IUT	5130	Develop a training plan	B,R	-	G	-	-	D	365		2		0		0	5000, 5010, 5020, 6320	-	
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										4	8	0	0	0	0			
TOTAL INSTRUCTOR UNDER TRIANING SKILLS PHASE (IUT)										7	13	0	0	0	0			
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																		
QUALIFICATIONS (QUAL)																		
QUAL	6230	Qualify as a Helicopter Director (HD)	B	E	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155, 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 8000, 8020, 8040, 8062	-	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
QUAL	6235	Qualify as a Tactical Air Director (TAD)	B	E	L	-	-	-	*		0		0		1	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2150, 2155 2160, 2400, 2410, 2415, 2420, 2425, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3100, 3105, 3110, 3115, 3120, 8000, 8020, 8040, 8062	-
QUAL	6240	Qualify as a Senior Air Director (SAD)	B,R,M	E	L	-	-	-	1095		0		0		2	2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060 OR 2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250 AND 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 6230, 6235, 8000, 8020, 8040, 8060	-
QUAL	6245	Qualify as an ASLT OIC (ASLT OIC)	B	E	L	-	-	-	*		0		0		1	2250, 2255, 2260, 3300, 8000, 8020, 8060	-
QUAL	6250	Qualify as an ASE OIC (ASE OIC)	B	E	L	-	-	-	*		0		0		1	2200, 2205, 2210, 2215, 2220, 2225, 3350	-
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	3	3		
DESIGNATIONS (DESG)																	

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
DESG	6300	Designation as a DASC OIC	B	-	L	-	-	-	*		0		0		1	2250, 2255, 2260, 3300, 6245, 8000, 8020, 8060 OR 2200, 2205, 2210, 2215, 2220, 2225, 3350, 6250 AND 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2300, 2305, 2310, 2315, 2320, 2400, 2410, 2415, 2420, 2425, 2455, 2460, 2465, 2470, 2475, 2900, 2901, 2902, 2910, 2911, 2920, 2921, 2922, 3000, 3005, 3010, 3015, 3020, 3100, 3105, 3110, 3115, 3120, 3200, 3205, 3210, 3220, 3225, 3230, 3235, 3240, 3400, 6230, 6235, 6240, 8000, 8020, 8040, 8060	
DESG	6320	Designation as a Basic Instructor (BI)	B	-	L	-	-	-	*		0		0		1	5000, 5010, 5020	
DESG	6321	Designation as a Senior Instructor (SI)	B	-	L	-	-	-	*		0		0		1	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320	-
DESG	6322	Designation as a Weapons and Tactics Instructor (WTI)	B	-	-	-	-	-	*		0		0		1	6000	-
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	4	2		
TRACKING CODES FOR SCHOOLS (SCHL)																	
SCHL	6000	Weapons and Tactics Instructor (WTI)	B	-	G	-	-	-	*		0		0		0	-	-
SCHL	6020	Link 16 Interoperability Course (JT-101)	B	-	G	-	-	-	*		0		0		0	-	-
SCHL	6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	-	*		0		0		0	-	-
SCHL	6023	Multi TDL Planner Course (JT-201)	B	-	G	-	-	-	*		0		0		0	-	-

DASC 7208 T&R SYLLABUS MATRIX																	
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTE
										#	TIME	#	TIME	#	TIME		
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME		
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	-	-
TOTAL SCHOOL CODES STAGE (SCHL)										6	0	0	0	0	0		
TRACKING CODES FOR OPERATIONS (OPS)																	
OPS	6455	Track participation MEU deployments	B	-	-	-	-	-	*		0		0		1	-	-
OPS	6465	Track completion of Range Safety Officers (RSO) courses	B	-	-	-	-	-	*		0		0		1	-	-
TOTAL OPERATIONS CODES STAGE (OPS)										0	0	0	0	2	1		
TOTAL REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS PHASE (RQCD)										6	0	0	0	9	6		

6.19 ADDITIONAL MATRIX (ORDNANCE/RANGES) 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

AIR SUPPORT OPERATIONS OPERATOR (ASOO) MOS 7242
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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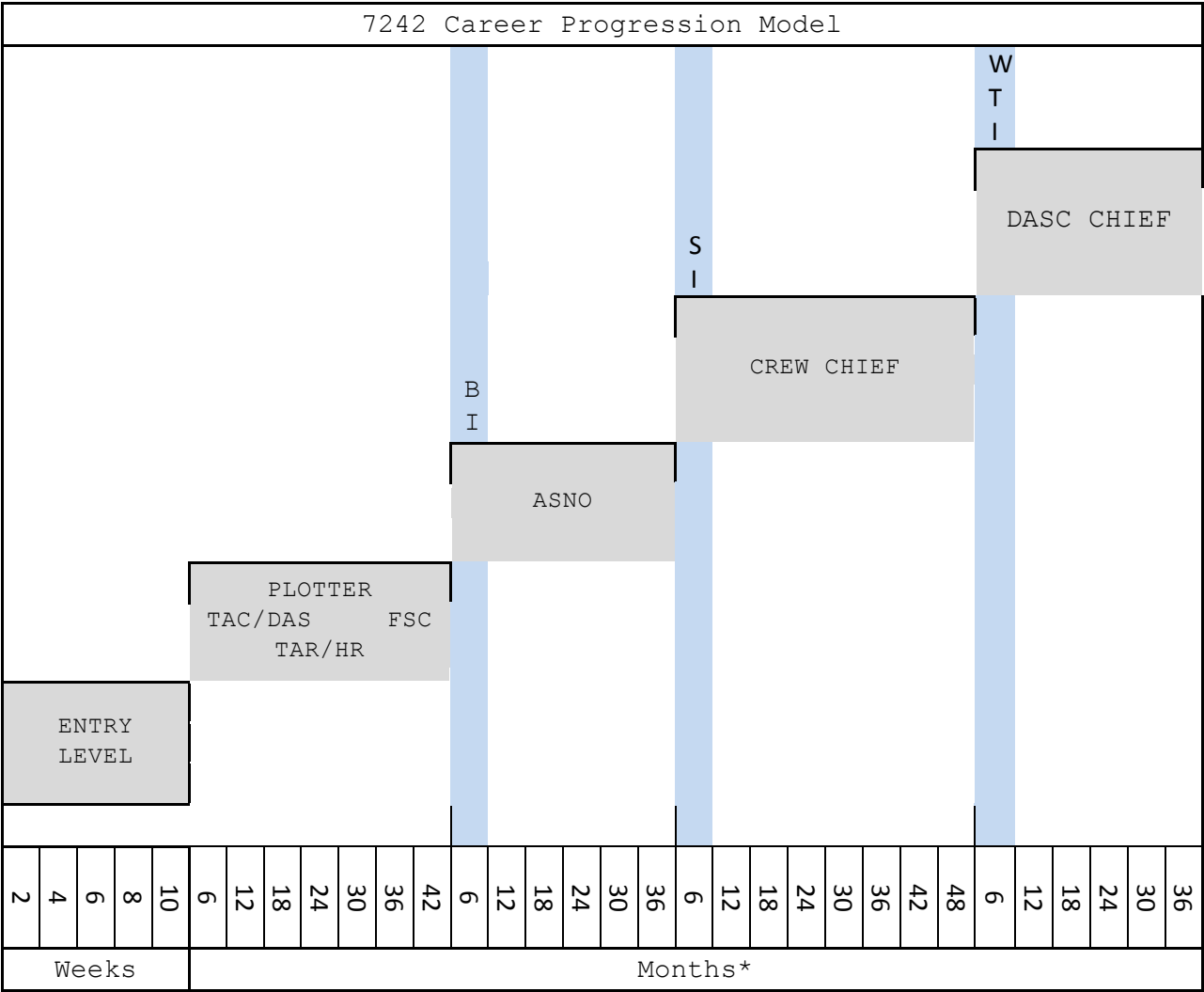
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CHAPTER 7

AIR SUPPORT OPERATIONS OPERATOR (ASOO) MOS 7242
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

7.0 ASOO 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 ASOO TRAINING PROGRESSION MODEL. This model represents the recommended training progression for the average 7242 crew member. 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

AIR SUPPORT OPERATIONS OPERATOR (7242)	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
ACAD	ACADEMIC
ASNO	AIR SUPPORT NET OPERATOR
C2SYS	COMMAND AND CONTROL SYSTEMS
CC	CREW CHIEF
COMM	COMMUNICATIONS
DC	DASC CHIEF
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
FSC	FIRE SUPPORT COORDINATION
PLOT	PLOTTING
TACDAS	TACTICAL AIR COMMAND/DIRECT AIR SUPPORT
TRHR	TACTICAL AIR REQUEST/HELICOPTER REQUEST
MISSION SKILL (3000 Phase)	
CC	CREW CHIEF
DC	DASC CHIEF
FSC	FIRE SUPPORT COORDINATION
PLOT	PLOTTING
TACDAS	TACTICAL AIR COMMAND/DIRECT AIR SUPPORT
TRHR	TACTICAL AIR REQUEST/HELICOPTER REQUEST
CORE PLUS (4000 Phase)	
ACAD	ACADEMIC
ASNO	AIR SUPPORT NET OPERATOR
C2SYS	COMMAND AND CONTROL SYSTEMS
FAM	FAMILIARIZATION
HD	HELICOPTER DIRECTOR
PLOT	PLOTTING
CNTL	PROCEDURAL CONTROL
TAD	TACTICAL DIRECTOR
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
TRHR	TACTICAL AIR REQUEST/HELICOPTER REQUEST
PLOT	PLOTTER
TACDAS	TACTICAL AIR COMMAND/DIRECT AIR SUPPORT

FSC	FIRE SUPPORT COORDINATION
ASNO	AIR SUPPORT NET OPERATOR
CC	CREW CHIEF
HD	HELICOPTER DIRECTOR
TAD	TACTICAL AIR DIRECTOR
DC	DASC CHIEF
MISSION ESSENTIAL TASK (MET) (7000 Phase)	
COND	CONDITION

7.3 DEFINITIONS

TERM	DEFINITION
Core Model	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
Core Skill	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.
Mission Skill	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.
Core Plus Skill	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.
Core Plus Mission	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.
Core Skill Proficiency (CSP)	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.
Mission Skill Proficiency (MSP)	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.
Core Plus Skill Proficiency (CPSP)	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
Core Plus Mission Proficiency (CPMP)	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
MET Phase	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/CPMP serves as the foundation for developing proficiency requirements in DRRS.

7.4.2 Crew position proficiency, or core skill, is a "Yes/No" status assigned to a Marine based on their CMMR currency and proficiency. When an

individual attains and maintains crew position proficiency, the Marine is eligible to count towards Unit CMMR.

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 NAVMC 3500.14_, Chapter 2 of the Aviation Program Manual for amplifying information on POI updating.

DASC 7242					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
CORE SKILL (2000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	2000				
ACAD	2005				
ACAD	2010				
ACAD	2015				
ACAD	2020				
ACAD	2025				
ACAD	2030				
ACAD	2035				
ACAD	2040				
ACAD	2045				
ACAD	2050				
ACAD	2055				

ACAD	2060				
ACAD	2065				
COMM	2100				
COMM	2105				
COMM	2110				
COMM	2115				
COMM	2120				
COMM	2125				
COMM	2130				
EQUIP	2150				
EQUIP	2155				
EQUIP	2160				
EQUIP	2165				
EQUIP	2170				
PLOT	2200				
PLOT	2205				
PLOT	2210				
TRHR	S2250				
TCDS	S2300				
FSC	S2350				
FSC	S2355				
ASNO	2400				
ASNO	2405R	ASNO	2405R	ASNO	2405R
CC	2450R	CC	2450R	CC	2450R
CC	S2455				
CC	2460				
CC	S2465				
CC	2475R	CC	2475R	CC	2475R
CC	2480				
DC	2500				
DC	2505				
DC	2510				
DC	S2515				
DC	S2520				
DC	S2525				
DC	2530				
FAM	2550				
FAM	2555				
FAM	2560				
FAM	S2565				
FAM	S2570				

FAM	S2575				
FAM	2580				
C2SYS	2900R	C2SYS	2900R	C2SYS	2900R
C2SYS	2901R	C2SYS	2901R	C2SYS	2901R
C2SYS	2902R	C2SYS	2902R	C2SYS	2902R
C2SYS	2903R	C2SYS	2903R	C2SYS	2903R
C2SYS	2904R	C2SYS	2904R	C2SYS	2904R
C2SYS	2905R	C2SYS	2905R	C2SYS	2905R
C2SYS	2909R	C2SYS	2909R	C2SYS	2909R
C2SYS	2910R	C2SYS	2910R	C2SYS	2910R
C2SYS	2911R	C2SYS	2911R	C2SYS	2911R
C2SYS	2913R	C2SYS	2913R	C2SYS	2913R
C2SYS	2917R	C2SYS	2917R	C2SYS	2917R
C2SYS	2920R	C2SYS	2920R	C2SYS	2920R
C2SYS	2921R	C2SYS	2921R	C2SYS	2921R
C2SYS	2940R	C2SYS	2940R	C2SYS	2940R
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
PLOT	PLOT-3000	PLOT		PLOT	
	PLOT-3005				
	PLOT-3010R		PLOT-3010R		PLOT-3010R
	PLOT-3015				
	PLOT-3020R		PLOT-3020R		PLOT-3020R
TRHR	TRHR-3050	TRHR		TRHR	
	TRHR-3055				
	TRHR-3060R		TRHR-3060R		TRHR-3060R
	TRHR-3065				
	TRHR-3070R		TRHR-3070R		TRHR-3070R
TCDS	TCDS-3100	TCDS		TCDS	
	TCDS-3105				
	TCDS-3110R		TCDS-3110R		TCDS-3110R
	TCDS-3115				
	TCDS3120R		TCDS3120R		TCDS3120R
FSC	FSC-3150	FSC		FSC	
	FSC-3155				
	FSC-3160R		FSC-3160R		FSC-3160R
	FSC-3165				
	FSC-3170R		FSC-3170R		FSC-3170R
CC	CC-3200	CC		CC	

	CC-3205				
	CC-3210R		CC-3210R		CC-3210R
	CC-3215				
	CC-3220R		CC-3220R		CC-3220R
DC	DC-3250R	DC	DC-3250R	DC	DC-3250R
CORE PLUS SKILL (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ACAD	4000				
ACAD	4005				
ASNO	S4050				
ASNO	S4055				
ASNO	S4060				
ASNO	S4065				
ASNO	S4070				
PLOT	S4100				
CC	S4150				
CTRL	4200				
CTRL	4205				
CTRL	4210				
CTRL	4215				
HD	4300				
HD	4305				
HD	4310R	HD	4310R	HD	4310R
HD	4315R	HD	4315R	HD	4315R
HD	4320R	HD	4320R	HD	4320R
TAD	4350				
TAD	4355				
TAD	4360R	TAD	4360R	TAD	4360R
TAD	4365R	TAD	4365R	TAD	4365R
TAD	4370R	TAD	4370R	TAD	4370R
FAM	4400				
FAM	4405				
FAM	4410				
FAM	4415				
C2SYS	4923R	C2SYS	4923R	C2SYS	4923R
C2SYS	4942R	C2SYS	4942R	C2SYS	4942R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GRAY 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

DASC 7242 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5100, 5110, 5120, 5130, M-SHARP FORMAL TRAINING, 6320
WEAPONS AND TACTICS INSTRUCTOR (WTI)	SCHL 6000

7.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS

DASC 7242 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualify as Plotter (QUAL-6200)	2045, 2055, 2205, 2210, 2900, 2901, 2902, 2903, 2904, 2910, 2913, 2921, 3000, 3005, 3010, 3015, 3020, 8001, 8003
Qualify as a TAR/HR Operator (QUAL-6205)	2045, 2100, 2250, 2900, 2901, 2902, 2911, 2940, 3050, 3055, 3060, 3065, 3070, 8000, 8001, 8003
Qualify as a Tactical Air Command (TAC)/ Direct Air Support (DAS) Net Operator (QUAL-6210)	2045, 2055, 2060, 2100, 2210, 2300, 2900, 2901, 2902, 2905, 2909, 2910, 2911, 2940, 3100, 3105, 3110, 3115, 3120, 8001, 8002, 8003
Qualify as Fire Support Coordination (FSC) Net Operator (QUAL-6215)	2045, 2055, 2100, 2350, 2355, 2920, 2940, 3150, 3155, 3160, 3165, 3170, 8001, 8002, 8003, 8062
Qualify as an Air Support Net Operator (ASNO) (QUAL-6220)	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8062, 8063
Qualify as a DASC Crew Chief (QUAL- 6225)	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063
Qualification as a Helicopter Director (HD) (QUAL-6230)	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4300, 4305, 4310, 4315, 4320, 6220, 8000, 8020, 8062, 8063
Qualification as a Tactical Air Director (TAD) (QUAL-6235)	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4350, 4355, 4360, 4365, 4370, 6220, 8000, 8020, 8062, 8063
Designation as a DASC Chief (DCHF) (DESG-6300)	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 3250, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063, 8080
Basic Instructor (DESG-6320)	5000, 5010, 5020

Senior Instructor (DESG-6321)	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320
Designation as a Weapons and Tactics Instructor (WTI) (DESG-6322)	6000

7.6 7242 PROGRAMS OF INSTRUCTION

7.6.1 BASIC POI

DASC 7242 BASIC POI		
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
1-10	CORE SKILL INTRODUCTION TRAINING 7234	MCCES
11-34	CORE SKILL TRAINING	TACTICAL SQUADRON
35-104	MISSION SKILL TRAINING	TACTICAL SQUADRON
104-208	CORE PLUS	TACTICAL SQUADRON

7.6.2 REFRESHER POI

DASC 7242 REFRESHER POI		
WEEKS ¹	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.
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 conducted in the simulator, the 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	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.

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 for an enlisted Marine to have a general working knowledge on the characteristics, capabilities, limitations, and operations of DASC related systems and equipment . Upon completion of the Air Support Operations Operator (ASOO) Course, the Marine is designated MOS 7242.

7.9.2 General

7.9.2.1 Admin Notes. ASOO Course (CID M0967L1) located at Marine Corps Communication-Electronics School (MCCES) in 29 Palms, CA.

7.9.2.2 Prerequisites. Meet the 7242 requirements delineated in MCO 1200.17 (Military Occupational Specialties (MOS) Marine Corps Manual).

7.9.2.3 Stages. The following stages are included in the Core Skill Introduction Phase.

PAR NO.	STAGE NAME
7.9.3	AIR SCHOOL (AIRS)

7.9.3 AIR SCHOOL (AIRS)

7.9.3.1 Purpose. To teach the Marine in the required skills to perform as a basic Air Support Operations Operator, MOS 7242.

7.9.3.2 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-1100 * B E G

Goal. Identify components of MAGTF Operations.

Requirement. Identify the following:

1. MAGTF Composition.
2. Composition and mission of the Marine Division
3. The types of Expeditionary Operations and how/when the DASC phases control ashore.
4. The purpose of the FSCC and its composition.
5. How Supporting Arms are used within the MAGTF, specific to direct air support operations.

Performance Standard. Pass an exam.

Reference.

1. JP 3-09
2. JP 1-02
3. MCDP 3
4. MCWP 3-1
5. MCWP 3-25.5
6. MCWP 3-43.1
7. MCWP 3-16
8. MCRP 5-12C

AIRS-1102 * B E G

Goal. Identify how the Marine Aircraft Wing supports the MAGTF.

Requirement. Identify the following:

1. Concepts for aviation support to the MAGTF.
2. Squadron nomenclature and missions assigned.
3. Marine Wing composition.
4. Manned and Unmanned Aircraft capabilities and limitations.
5. Aviation Ordinance.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-2
3. MCWP 3-25.5
4. MCRP 3-16.6A
5. MCRP 5-12C
6. DASC Pocket Checklist Section

AIRS-1104 * B E G

Goal. Identify Offensive Air Support (OAS).

Requirement. Identify the following:

1. Purpose of OAS.
2. Requirements for Deep Air Support (DAS).
3. Requirements for Close Air Support (CAS).
4. Differences between immediate and pre-planned OAS.
5. Marine Corps airframes that have the primary mission of OAS.
6. The unit(s)/agency(ies) within the MACG/MACCS that coordinate(s) OAS.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-23
3. MCWP 3-23.2
4. JP 3-09.3
5. MCWP 3-25.5
6. MCRP 3-16.6A
7. MCRP 5-12C
8. DASC Pocket Checklist Section 9

AIRS-1106 * B E G

Goal. Identify Assault Support Doctrine.

Requirement. Identify the following:

1. Purpose of Assault Support.
2. Sub-categories of Assault Support.
3. Differences between immediate and pre-planned Assault Support.
4. Marine Corps airframes that have the primary mission of Assault Support.
5. The unit(s)/agency(ies) within the MACG/MACCS that coordinate(s) Assault Support.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-50
3. MCWP 3-11.4

4. MCWP 3-2
5. MCWP 3-24
6. MCWP 3-25.5
7. MCRP 5-12C
8. DASC Pocket Checklist

AIRS-1108 * B E G

Goal. Identify Aerial Reconnaissance.

Requirement. Identify the following:

1. Purpose of aerial reconnaissance.
2. Two types of aerial reconnaissance.
3. Which aviation platforms can conduct aerial reconnaissance.
4. The unit and system within the MACG that has the primary mission of aerial reconnaissance.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. MCWP 3-26
3. MCWP 3-25.5
4. MCWP 3-42.1
5. MCRP 5-12C
6. DASC Pocket Checklist

AIRS-1110 * B E G

Goal. Describe Anti-Air Warfare (AAW)

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

1. Identify the definition of AAW.
2. Identify the two types of AAW.
3. Identify units in the MACG that perform active air defense.
4. Describe the Tactical Air Operations Centers (TAOC) organization.
5. Define the key components of the Integrated Air and Missile Defense System (IAMDS).
6. Define a Tactical Data Link (TDL).
7. Identify how TDLs support the IAMD of an air defense sector.
8. Identify voice networks used during IAMD operations.
9. Define Air Defense Warning Conditions
10. Define Weapons Control Statuses
11. Identify the purpose of a Bulls Eye.

Performance Standard. Pass an exam.

Reference.

1. JP 6-0, Communications Systems
2. MCWP 3-22, Anti Air Warfare
3. MCWP 3-25, Control of Aircraft and Missiles
4. MCWP 3-25.3, MACCS Handbook

5. MWCP 3-25.5, DASC Handbook
6. MCWP 3-40.1, MAGTF C2
7. MCWP 3-40.2, Information Management
8. MCWP 3-40.3, MAGTF Communication System,
9. MCRP 3-25E, Integrated Air Defense System.
10. U-DASC-PCL-5532, DASC Pocket Checklist
11. CJCSM 6120.01, Joint Multi TDL Operating Procedures

AIRS-1112 * B E G

Goal. Identify Electronic Warfare (EW)

Requirement. Identify the following:

1. Definition and purpose for EW.
2. Sub-sets of EW.
3. Which units within the Marine Corps conduct EW.
4. Procedures used within the DASC to report enemy Electronic Attack operations.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-13.1
3. MCWP 3-22.2
4. MCRP 3-22.2A
6. MCWP 3-25.5
7. MCWP 3-40.5
8. MCRP 5-12C
9. DASC Pocket Checklist

AIRS-1114 * B E G

Goal. Identify Control of Aircraft and Missiles

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

1. Marine Corps' philosophy for Command and Control.
2. Purpose for Control of Aircraft and Missiles.
3. Structure of the MACCS and each agency's purpose.
4. Which agencies of the MACCS utilize positive control.
6. Which agencies of the MACCS utilize procedural control.
7. Agencies responsible for command and control of expeditionary operations.
8. Definitions of Air Direction and Air Control.
9. Become familiar with the Theater Air Ground System (TAGS).
10. Become familiar with the doctrine for command and control of expeditionary operations.

Performance Standard. Pass an exam.

Reference.

1. JP 1-02
2. JP 3-02

3. JP 3-30
4. JP 3-52
5. MCDP 3
6. MCWP 3-25
8. MCWP 3-25.5
9. MCRP 5-12C
10. DASC Pocket Checklist
11. FM 3-25.2, Theater Air Ground System

AIRS-1116 * B E G

Goal. Identify threats to the MAGTF

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

1. Surface-to-air threats
 - a. Categories of AAA.
 - b. Categories of SAMs (MANPADs, Optical and RF Guided).
2. Air-to-ground threats
 - a. F/W
 - b. R/W
3. Surface-to-surface threats
 - a. Armor
 - b. APC
 - c. Artillery

Performance Standard. Pass an exam.

Reference.

1. AFTTP 3-1
2. Section 10 of the DASC Pocket Checklist.

AIRS-1118 * B E G

Goal. React to threats affecting DASC Operations

Requirement. React to the following:

1. Surface-to-air threats
2. Air-to-ground threats
3. Surface-to-surface threats

Performance Standard. Pass an exam.

Reference.

1. AFTTP 3-1
2. Section 10 of the DASC Pocket Checklist.

AIRS-1120 * B E G

Goal. Extract critical information from operations documents for the DASC.

Requirement. With the aid of references, perform the following:

1. Extract direct air support information from an Air Tasking Order (ATO).
2. Extract direct air support information from an Airspace Control Order (ACO).
3. Extract Multi TDL Network information from an OPTASK LINK.
4. Extract information from ANNEX K of an Operations Order.
5. Extract direct air support communication information from the ACEOI.
6. Identify the communication path established between agencies

Performance Standard. With the aid of reference, pass a practical application exam without error.

Reference.

1. JP 6-0, Communications Systems
2. MCWP 3-25, Control of Aircraft and Missiles
3. MCWP 3-25.3, MACCS Handbook
4. MCWP 3-25.5, DASC Handbook
5. MCWP 3-40.1, MAGTF C2
6. MCWP 3-40.2, Information Management
7. MCWP 3-40.3, MAGTF Communication System
8. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
9. DISA USMTF Baseline,
<https://www.us.army.mil/suite/community/15897960>
10. CJCSM 6120.01, Joint Multi TDL Operating Procedures
11. MILSTD 6040

AIRS-1122 * B E G

Goal. State the proper procedures for handling and storage of classified materials.

Requirement. Without the aid of reference, 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.

Performance Standard. Pass an exam.

Reference .

1. MCO P5510.1A
2. SECNAVINST 5510
3. EKMS-1

AIRS-1124 * B E G

Goal. Identify Air Support Communications Equipment

Requirement. Without the aid of reference, identify each of the following:

1. DASC Single Channel Radio Equipment, to include:
 - a. Receiver/Transmitter Nomenclatures
 - b. Frequency Spectrum(s)
 - c. Cryptographic Security Capabilities
 - d. Transmission Security Capabilities
 - e. Data Capabilities
 - f. Radio Set Nomenclatures
 - g. Communication Range
 - h. Power Requirements
 - i. Antenna Configurations
2. Common Aviation Command and Control System (CAC2S) Equipment, to include:
 - a. The Process and Display System
 - i. Components of an Operational Facility
 - ii. Operational Facility emplacement options
 - iii. Components of the Warfighter Console
 - b. The Communication System.
 - i. The radio components within a Communication System
 - ii. The antenna components within a Communication System
 - iii. Identify the number of external radios sets available per Communication System.

Performance Standard. Pass an exam.

Reference.

1. TM 11927A-OR, AN/PRC-117G
2. TM 10597A-OR/4, AN/PRC-117F
3. SL-3-10597A, AN/PRC-117F
4. TM 10822A-OR, AN/PRC-150
5. SL-3-10822A, AN/PRC-150
6. SL-3-11305A, AN/TRC-209A
7. SL-3-11216A, AN/MRC-148
8. TM 11255A-OR/1, AN/VRC-103
9. TM 10746B-OI/23, AN/PRC-148
10. TM 11496A-OI/3, AN/PRC-152
11. SL-3-11496A, AN/VRC-110
12. SL-3-09730B, AN/MRC-145
13. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1126 * B E G

Goal. Identify the purpose of Common Aviation Command and Control System (CAC2S) components.

Requirement. Without the aid of reference, identify the purpose of each of the following:

1. Process and Display System.
2. Data Link equipment.
3. Command Tactical Picture equipment.

4. Multi-Source Correlator Tracker.
5. Communication System.

Performance Standard. Pass an exam.

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1128 * B E G

Goal. Conduct communications utilizing CAC2S

Requirement. With the aid of reference, perform the following:

1. Prepare a communication device for operation.
2. Conduct inter-system communication.
3. Configure a radio to receive.
4. Configure a radio transmit.
5. Operate a radio network.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. MCWP 3-40.3, MAGTF Communication System
2. CJCSM 3320.02B Joint Spectrum Interference Resolution (JSIR) Procedures
3. KTCL Handling and Operating Instructions
4. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1130 * B E G

Goal. Conduct Information Security during DASC operations

Requirement. With the aid of reference, perform the following:

1. Define information security.
2. Identify the components of information security.
3. Define communications security (COMSEC).
4. Identify the purpose of cryptographic security (CRYPTOSEC).
5. Identify the purpose of cryptographic keys.
6. Identify the purpose of code words.
7. Identify the purpose of user encryption keys.
8. Conduct message encryption.
9. Conduct message decryption.
10. Identify source documents for code words.
11. Identify the purpose of transmission security (TRANSEC).
12. Describe the theory of frequency hopping operations.
13. Identify the purpose of radio discipline.
14. Identify the purpose of Radio/Telephone procedures.
15. Identify the purpose of brevity code words.
16. Describe the meaning of a given direct air support brevity code word.
17. Describe the appropriate response to enemy jamming.
18. Describe the method to report enemy jamming.
19. Identify the purpose of user authentication systems.

20. Conduct user authentication.
21. Conduct user time authentication.
22. Identify the purpose for disbursing communications equipment.
23. Identify the security concerns for wire transmissions.
24. Describe emission security techniques.
25. Define physical security.
26. Describe physical security measures.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. MCWP 3-40.3, MAGTF Communication System
2. CJCSM 3320.02B Joint Spectrum Interference Resolution (JSIR) Procedures
3. KTCL Handling and Operating Instructions
4. TM 12041A/12050A-OD2, CAC2S User Manual

AIRES-1132	*	B	E	G

Goal. Plot direct air support information.

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

1. Locate a MGRS coordinate.
2. Plot a MGRS coordinate
3. Locate a Latitude/Longitude coordinate.
4. Plot a Latitude/Longitude coordinate
5. Plot friendly/enemy units using appropriate symbols.
6. Plot FSCM/ACMs using appropriate symbols.
7. Plot DASC specific symbols (JTAR/ASR/etc...).
8. Plot direct air support information using J Series track options.
9. Maintain TAD/HD Aircraft mission status boards.
10. Locate tracks using Global Area Reference System (GARS)

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist
3. MCRP 5-2A (Operational Terms and Graphics)
4. MIL-STD-6016, TDL 16 Interface Standard
5. TM 12041A/12050A-OD2, CAC2S User Manual
6. JP 2-03, Geospatial Intelligence Support to Joint Operations

AIRES-1134	*	B	E	G

Goal. Process immediate air support requests.

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

1. Receive and process JTARs.
2. Receive and process ASRs.

3. Receive and process CASEVACs.
4. Exchange direct air support information with requesting unit.
5. Identify the components of the request forms.

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist

AIRS-1136 * B E G

Goal. Operate Tactical Display Framework (TDF)

Requirement. With the aid of reference, perform the following:

1. Check system connectivity.
2. Configure the software for operation.
3. Load an Air Tasking Order.
4. Load an Airspace Control Order.
5. Load map data.
6. Configure track tags.
7. Configure track details.
8. Configure a track list.
9. Apply local display filters.
10. Import Common Tactical Picture Overlays.
11. Utilize system overlays.
12. Hook tracks.
13. Utilize range-bearing lines.
14. Create a track.
15. Create a direct air support request.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual
2. MSCT Display User's Manual

AIRS-1138 * B E G

Goal. Operate Joint Tactical Common Operational Picture Workstation (JTCW) Client.

Requirement. With the aid of reference, perform the following:

1. Start JTCW client
2. Configure the client for operation
3. Configure a Client to Gateway connection
4. Load injector managers required for DASC operations
5. Load map data
6. Load an Airspace Control Order
7. Create overlays
8. Manage overlays
9. Share overlays
10. Apply local display filters
11. Utilize range-bearing lines
12. Configure track details

13. Create a track

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. Software User's Manual (SUM) for Command and Control PC (C2PC)
2. TM 12041A/12050A-OD2, CAC2S User Manual

AIRS-1140 * B E G

Goal. Exchange information with the TACC.

Requirement. While conducting DASC operations, operate as a TAC/DAS net operator:

1. Communicate ATO and ACO information.
2. Exchange direct air support information with the TACC.
3. Utilize appropriate RT procedures.
4. Exchange threat information.

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist

AIRS-1142 * B E G

Goal. Exchange information with the FSCC.

Requirement. While conducting DASC operations, operate as FSC Net Operator:

1. Exchange direct air support information with an FSCC.
2. Exchange information regarding fire support.
3. Utilize appropriate RT procedures.
4. Exchange information regarding operational terms and graphics.

Performance Standard. Pass an exam.

Reference.

1. MCWP 3-25.5
2. DASC Pocket Checklist

AIRS-1144 * B G

Goal. Familiarize the operator on Theater Battle Management Core System (TBMCS) for direct air support operations

Requirement. Utilizing a TBMCS terminal, with the aid of references, perform the following:

1. Login and Subscribe to Alerts.

2. Login to the CAOC Central Webpage (CCWeb).
3. Send/receive email using Iris For Outlook (IFO).
4. Utilizing CCWeb:
 - a. Operate Execution Status and Monitoring Tool (ESTAT).
 - i. Open the appropriate Air Battle Plan (ABP).
 - ii. Update aircraft mission status
 - iii. Access mission Operational Support Pages (OPages)
 - b. Operate Web Air Request Processor (WARP).
 - i. Load appropriate ABP.
 - ii. Input an immediate Air Support Request.
 - iii. Pair aircraft mission data with request.
 - iv. Apply BDA to request.
 - c. Access the ATO/ACO using the ATO/ACO Tool (AAT).

Performance Standard. None

Reference.

1. MCTSSA's Marine Corps Tactical Data Systems Reference Guide
2. DASC Pocket Checklist Section 15

AIRS-1146	*	B	E	G

Goal. Operate the Effects Management Tool (EMT).

Requirement. With the aid of reference, perform the following:

1. Set up the EMT
2. Start the EMT
3. Configure EMT for operation
4. Provide Advanced Field Artillery Tactical Data System (AFATDS) units to CAC2S.
5. Provide AFATDS overlays to CAC2S.
6. Provide geometries to AFATDS.
7. View targets.

Performance Standard. Pass an exam.

Reference.

1. Software User's Manual (SUM) for Command and Control PC (C2PC)
2. TM 12041A/12050A-OD2, CAC2S User Manual
3. TB 11-7010-349-10, EMT User's Manual
4. TB 11-7025-354-10-4, Air Operations for AFATDS
5. TM 7025-OR/1/2/4, AFATDS

AIRS-1148	*	B	E	G

Goal. Define elements of information exchange within the MAGTF Communications System

Requirement. With the aid of reference, perform the following:

1. Identify the four classes of information.

2. Identify the characteristics of quality information.
3. Define situational awareness.
4. Define a commander's critical information requirement.
5. Define a priority intelligence requirement.
6. Define a friendly force information requirement.
7. Define an essential element of friendly information.
8. Identify the purpose of information flow.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. MCWP 3-40.2, Information Management
2. MCWP 3-40.3, MAGTF Communication Systems

AIRS-1150 * B E G

Goal. Identify the components of the air picture

Requirement. With the aid of reference, perform the following:

1. Define a track.
2. Identify the purpose of a track number.
3. Identify the definition of the Common Tactical Picture.
4. Describe the purpose of the Multi TDL Network.
5. Describe the characteristics of Link 11.
6. Describe the characteristics of Link 11B.
7. Describe the characteristics of Link 16.
8. Describe the Joint Range Extension Application Protocols.
9. Identify the TDL capabilities of the agencies provided by MACG units.
10. Identify TDL capabilities of USMC air platforms.

Performance Standard. With the aid of reference, pass an exam.

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MCWP 3-22, Anti Air Warfare
4. MCWP 3-23, Offensive Air Support
5. MIL-STD-6016, TDL 16 Interface Standard
6. MIL-STD-6017, VMF Interface Standard
7. MIL-STD-3011, JREAP Interface Standard
8. MIL-STD-6020, Data Forwarding between TDLs

7.10 CORE SKILL TRAINING (2000)

7.10.1 Purpose. Core Skills are intended to train the individual to utilize the tools and systems required during performance as a DASC crewmember. Core Skills require a set of events to be completed to ensure a level of proficiency is achieved before the trainee proceeds to Mission Skill training.

7.10.2 General

7.10.2.1 Admin Notes. All events' exams will be without the aid of reference(s) and a minimum score of 80% to pass unless specifically changed

in an event.

7.10.2.2 Prerequisite. Complete primary MOS Core Skill Introduction training and appropriate POI.

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

PAR NO.	STAGE NAME
7.10.3	ACADEMIC (ACAD)
7.10.4	COMMUNICATIONS (COMM)
7.10.5	EQUIPMENT (EQUIP)
7.10.6	PLOTTING (PLOT)
7.10.7	TACTICAL AIR REQUEST/HELICOPTER REQUEST (TRHR)
7.10.8	TACTICAL AIR COMMAND/DIRECT AIR SUPPORT (TCDS)
7.10.9	FIRE SUPPORT COORDINATION (FSC)
7.10.10	AIR SUPPORT NET OPERATOR (ASNO)
7.10.11	CREW CHIEF (CC)
7.10.12	DASC CHIEF (DC)
7.10.13	FAMILIARIZATION (FAM)
7.10.14	COMMAND AND CONTROL SYSTEMS (C2SYS)

7.10.3 ACADEMICS (ACAD)

7.10.3.1 Purpose. To review, develop and evaluate knowledge of DASC operations, systems and procedures.

7.10.3.2 General

Admin Note. 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-8003 (DASC) and complete a self-paced reading of MCWP 3-25.5, DASC Handbook.

Prerequisites. None.

Crew Requirements. None

ACAD-2000 1.0 * B E G

Goal. Describe the Joint Data Network.

Requirement. Perform the following:

1. State the purpose of the Joint Data Network (JDN).
2. State the responsibilities of the Joint Data Network Operations Officer (JDNO).
3. State the purpose of the Global Command and Control System (GCCS).
4. State the purpose of the Common Tactical Picture (CTP).
5. State the characteristics of the CTP.
6. State the components of the CTP.

7. Describe track management.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3115.01, CTP Reporting Requirements
3. CJCSI 3151.01B, GCCS COP Reporting Requirements
4. CJCSM 6120.01, Joint Multi TDL Operating Procedures
5. MIL-STD-6020, Data Forwarding between TDLs
6. MIL-STD-6040, USMTF Interface Standard

ACAD-2005	1.0	*	B	E	G

Goal. Describe the Multi Tactical Datalink Network (MTN).

Requirement. Perform the following:

1. Define Multi-TDL Network (MTN).
2. Define Multi-TDL Architecture (MTA).
3. Identify the characteristics of Link 11/TDL A.
4. Identify the characteristics Link 11B/TDL B.
5. Identify the characteristics Link 16/TDL J.
6. Identify MTA roles.
7. Identify the characteristics of the Joint Range Extension Application Protocol (J-REAP).
8. Describe track blocks.
9. Explain the purpose of the pseudo IU address.
10. Explain the purpose of the collective IU address.
11. Explain the purpose of Variable Message Format (VMF).
12. Identify the characteristics of Variable Message Format (VMF).

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. 2000

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3115.01, CTP Reporting Requirements
3. CJCSI 3151.01B, GCCS COP Reporting Requirements
4. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
5. MIL-STD-6011, TDL 11/11B Interface Standard
6. MIL-STD-6016, TDL 16 Interface Standard
7. MIL-STD-6017, VMF Interface Standard
8. MIL-STD-3011, JREAP Interface Standard
9. MIL-STD-6020, Data Forwarding between TDLs

ACAD-2010 1.0 * B E G

Goal. Describe track information displayed within the DASC

Requirement. Perform the following:

1. Identify track identifications.
2. Identify track environments.
3. Explain the significance of a unit reference number (URN).
4. Identify the characteristics of a K05.1 Position Report (POSREP).
5. Identify the characteristics of a K04.1 Observation Report (OBSREP).
6. Define a PPLI.
7. Explain the purpose contained in a J13.X Platform and System Status message.
8. Identify the basic characteristics of a J2.2 Air PPLI.
9. Identify the basic characteristics of a J2.5 Land Point PPLI.
10. Identify the basic characteristics of a J2.6 Land Track PPLI.
11. Identify the additional information reported in a J13.5 Land Platform and System status message.
12. Identify the additional information reported in a J13.0 Airfield Status message.
13. Identify the basic characteristics of a J3.0 Reference Point Track.
14. Identify the basic characteristics of a J3.1 Emergency Point Track.
15. Identify the basic characteristics of a J3.2 Air Track.
16. Identify the characteristics of each IFF/SIF Code
17. Identify the significance of the Mode IIIC altitude.
18. Identify the basic characteristics of a J3.5 Land Point/Track.

Performance Standard. Pass an exam

Instructor. BI,SI

Prerequisite. ACAD 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3151.01B, GCCS COP Reporting Requirements
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-6017, VMF Interface Standard
6. MIL-STD-6020, Data Forwarding between TDLs
7. U-TAOC-PCL-6005, TAOC Pocket Checklist

ACAD-2015 1.0 * B E G

Goal. Describe the Joint Range Extension Application Protocol (JREAP).

Requirement. Perform the following:

1. Describe the capabilities of JREAP.
2. Describe JREAP A.
3. Select the data rates of JREAP A.
4. Describe JREAP A roles.
5. Describe the JREAP A Transmission Sequence List (TSL).
6. Explain the difference between JREAP A and Satellite J.
7. Describe JREAP B.
8. Describe JREAP B modes of operation.
9. Select JREAP B data rates.
10. Describe JREAP C.
11. Describe JREAP C modes of operation.

Performance Standard. Pass an exam

Instructor. BI,SI

Prerequisite. ACAD 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
2. MIL-STD-6016, TDL 16 Interface Standard
3. MIL-STD-6017, VMF Interface Standard
4. MIL-STD-3011, JREAP Interface Standard
5. MIL-STD-6020, Data Forwarding between TDLs

ACAD-2020 1.0 * B E G

Goal. Identify the elements of track data coordination

Requirement. Perform the following:

1. Identify the responsibilities of the TDC.
2. Identify the purpose of the track production plan.
3. Define the purpose of net entry/exit procedures.

4. Define the purpose of data registration.
5. Define dual designations.
6. Identify the primary reasons for duplicate track numbers occurring.
7. Define an Identification (ID) conflict.
8. Identify an environment conflict.
9. Identify the procedures to resolve an ID conflict.
10. Identify the purpose for a Change Data Order.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures

ACAD-2025	1.0	*	B	E	G

Goal. Describe Datalink Filters.

Requirement. With the aid of reference, perform the following:

1. Define data looping.
2. Identify the purpose of filters.
3. Identify transmit filters.
4. Identify forwarding filters.
5. Identify system receive filters.
6. Describe parity rule when implementing transmit and receive filters.
7. Identify filter options.
8. Describe the purpose of display filters.
9. Describe the condition applied to tracks that are force told (force tell).
10. Describe the condition applied to tracks that have an emergency indicator.

Performance Standard. With the aid of references, pass an exam.

Instructor. BI,SI

Prerequisite. ACAD 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS

ACAD-2030 1.0 * B E G

Goal. Identify positions in the Multi Tactical Datalink Network (MTN).

Requirement. Perform the following:

1. Identify the purpose of a JICO.
2. Describe the purpose a Network Design Facility (NDF).
3. Describe the purpose of the Joint Interface Control Cell (JICC).
4. Identify Joint Interface Control Officer (JICO) responsibilities.
5. Identify the responsibilities of the Link Mangers
6. Identify the responsibilities of the Track Data Coordinator (TDC).
7. Identify the purpose of a Regional Interface Control Officer (RICO).
8. Identify the purpose of the Sector Interface Control Officer (SICO).
9. Identify Multi-TDL Architecture voice networks.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. ACAD 2005, 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MCWP 3-40.3 MAGTF Communication System
4. MCWP 3-35.3 MACCS Handbook
5. MCWP 3-25.4 TACC Handbook
6. MCWP 3-25.6 SAAWC Handbook
7. MCWP 3-25.7 TAOC Handbook

ACAD-2035 1.0 * B E G

Goal. Identify DASC specific parts of the OPTASK LINK message.

Requirement. With the aid of reference, perform the following:

1. Identify the purpose of the OPTASK LINK.
2. Identify who is responsible for creating and disseminating the OPTASK LINK.
3. Identify information contained in the Heading segment.
4. Identify the purpose of the GENTEXT/CONDUCT OF TDL OPERATIONS set.
5. Identify the information contained in the POCLINK set.
6. Identify the information contained in the IVCCN set.
7. Identify the purpose of the Multilink Interface Coordination Requirements segment.
 - a. Multilink Interface Establishment set
 - b. Region Interface Information set
 - c. Sector Interface Information set
 - d. Change Data Order Authorities
 - e. Command Authorities
 - f. Contingency Procedures
 - g. Track Production Area Guidance
8. Identify the purpose of the INTCOORD/INTERFACE COORDINATION segment.
9. Select the purpose of the Link 16 segment.
10. Identify the information contained in the FORCEFLTR set.
11. Identify the information contained in the JNETWORK set.
12. Identify the information contained in the JUDATA set.
13. Identify the information contained in the UNITFLTR set.
14. Identify the information contained in the LKSXDUTY set.
15. Identify the information contained in the SQDDATA set.
16. Identify the information contained in the SADL segment.
17. Identify the information contained in the SADLSQD set.
18. Identify the information contained in the JRE segment.
19. Identify the information contained in the UNITINFO set.
20. Identify the information contained in the LNKPROT set.
21. Identify the information contained in the SATCONN set.
22. Describe the difference with Satellite Link 16 and JREAP A link information.
23. Identify the information contained in the DAMA set.
24. Identify the information contained in the SATINFOJ set.
25. Identify the information contained in the CYPTDAT set.
26. Identify the information contained in the LNKJPADD set.
27. Identify the information contained in the SECTEL set.
28. Identify the information contained in the SECINTER set.
29. Identify the information contained in CONMATRIX set.
30. Identify the information contained in the FORCEFLTR set in the JRE Data Segment.
31. Identify the information contained in the Filter Segment.
32. Identify the information contained in the FILTER set.
33. Identify the information contained in the 1MANCODE table.

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI,SI

Prerequisite. ACAD 2005, 2025, 2030

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
2. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
3. DISA USMTF Baseline,
<https://www.us.army.mil/suite/community/15897960>
4. Unit SOP

ACAD-2040 1.0 * B E G

Goal. Define information related to TDL tracks

Requirement. Perform the following:

1. Define Track Quality.
2. Identify the characteristics of real-time tracks.
3. Identify the characteristics of near real-time tracks.
4. Identify the characteristic of a non-real time track.
5. Identify sources for non-real time tracks.
6. Identify the normal update rates for tracks.
7. Define Reporting Responsibility (R2).
8. Define Controlling Unit (CU).
9. Define a common track.
10. Define automatic correlation.
11. Identify correlation restrictions.
12. Describe Track Number negations during correlation.
13. Define Manual Correlation.
14. Explain de-correlation.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. ACAD 2000, 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25, Control of Aircraft and Missiles
2. CJCSM 3115.01, Joint Data Network Operations
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-6017, VMF Interface Standard
6. MIL-STD-3011, JREAP Interface Standard
7. MIL-STD-6020, Data Forwarding between TDLs
8. Guide to the USMTF User Formats - OPERATIONAL TASKING LINKS
9. Unit SOP

ACAD-2045 1.0 * B E G

Goal. Identify DASC crew positions.

Requirement. For each doctrinal crew position within the DASC:

1. Identify the duties and responsibilities of the position
2. Identify and describe the doctrinal net(s) used
3. Identify the frequency spectrum of the net
4. Identify the agencies/units operating on the net
5. Provide examples of information passed/received from those agencies/units

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. ACPM-8003

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MWCP 3-25.5, DASC Handbook
2. DASC Pocket Checklist
3. MCWP 3-40.3, Communications

ACAD-2050	1.0	*	B	E	G

Goal. Identify storage and handling of classified material.

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 rule (TPI)
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

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCO P5510.1A

2. EKMS-1

ACAD-2055 1.0 * B E G

Goal. Identify Airspace Coordination Measures / Fire Support Coordination Measures

Requirement. Perform the following:

1. Identify the elements of an airspace coordination means request
2. Identify the 8 types of ACMs, describe and provide examples of each
3. Given a list of 25 ACMs (mapped usages) from the reference, provide the definition and purpose for each
4. Identify FSCMs commonly used by the MAGTF.

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. JP 3-52, Joint Doctrine for Airspace Control in the Combat Zone
2. MCWP 3-16, Fire Support Coordination in the GCE

ACAD-2060 1.0 * B E G

Goal. Identify weather reports and impacts of weather on aviation operations

Requirement. Perform the following:

1. Identify the common aviation related weather reports
2. Interpret a Meteorological Aviation Report (METAR)
2. Given a scenario by the instructor, identify the potential impacts to aviation operations of various weather conditions

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-35.7 MAGTF Meteorological and Oceanographic Support
2. Federal Meteorological Handbook No. 1

ACAD-2065 1.0 * B E G

Goal. Describe aviation ordnance

Requirement. Provided a list of 25 examples of air-to-ground ordnance, describe each to include:

1. Nomenclature and/or short title
2. Description
3. Guidance scheme
4. Provide examples of targets it is effective against
5. Provide examples of USMC aircraft that can employ it

Performance Standard. Pass an exam.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket checklist
2. JP 3-09, Joint Fire Support

7.10.4 COMMUNICATIONS (COMM)

7.10.4.1 Purpose. To develop proficiency in utilizing MASS organic field radios and communications procedures.

7.10.4.2 General

Admin Notes.

Prerequisites.

Crew Requirements. None

COMM-2100 1.0 * B S/L

Goal. Perform Pacific Numeral Cypher Authentication.

Requirement. Given a KTC L500E, radio, simulated Radio net and simulated calls from external agencies or stations and information, perform the following:

1. Authenticate 10 calls
2. Respond to 10 challenges
3. Encrypt five multi-word text messages
4. Decrypt five multi-word text messages
5. Encrypt five MGRS using RAMROD
6. Decrypt five MGRS using RAMROD
7. Review Gingerbread procedures
8. Review Beadwindow procedures

Performance Standard. Complete each requirement IAW the reference. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-40.3B, Radio operator's handbook
2. Allied Communication Publication (ACP) 125 (F) - Communication Instructions - Radio Telephone Procedures

COMM-2105	1.0	*	B	L

Goal. Utilize a man portable radio.

Requirement. Given a current multiband radio and applicable references, conduct the following:

1. Review the characteristics of the listed radio
2. Set up the radio
 - a. Configure antenna
 - b. Apply power
 - c. Input frequencies
 - d. Toggle frequencies
 - e. Scan frequencies
3. Conduct a radio check.
 - a. Establish cipher text communications
 - b. Establish plain text communications
4. Zeroize the radio
5. Send and receive chat messages

Performance Standard. Pass a practical application exam. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2110 1.0 * B L

Goal. Utilize the HF/VHF radio.

Requirement. Given a current HF/VHF radio, and applicable references conduct the following:

1. Review the characteristics of the listed radio
2. Set up the radio
 - a. Configure antenna
 - b. Apply power
 - c. Input frequencies
 - d. Toggle frequencies
 - e. Scan frequencies
3. Conduct a radio check.
 - a. Establish cipher text communications
 - b. Establish plain text communications
4. Zeroize the radio

Performance Standard. Pass a practical application exam. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2115 0.5 * B multi-band radio L

Goal. Describe current man portable radios.

Requirement. Given a current multi-band radio, state the following:

1. State the characteristics, capabilities, and limitations of the radio.
2. State the purpose and associated frequency spectrum for Frequency Hopping and HAVE QUICK.

Performance Standard. State the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2120	0.5	*	B	L

Goal. Describe current HF/VHF radios.

Requirement. Given an HF/VHF radio, state the following:

1. Identify capabilities and limitations of the HF/VHF radio.
2. Explain the functions and capability of chat.
3. Explain the purpose of Automatic Link Establishment (ALE).
4. State the characteristics of the radio

Performance Standard. State the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2125	1.0	*	B	L

Goal. Describe data functions associated with HF/VHF radios.

Requirement. Given two HF/VHF radios, conduct the following:

1. Describe capabilities and limitations of the HF/VHF radio for data.
2. Explain the functions and capability of the Chat program
3. Explain the purpose of Automatic Link Establishment (ALE).
4. Given a complete HF/VHF radio and required associated equipment, send and receive chat messages.

Performance Standard. Complete requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

The instructor will verify that the data and chat messages are sent and received.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. Technical Manual, Operator's Manual

COMM-2130 2.0 * B DASC L

Goal. Identify communication problems.

Requirement. Given an operational Direct Air Support Center (DASC) 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. Correct the problem by initiating appropriate action and/or reports.

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,SI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. 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

7.10.5 EQUIPMENT (EQUIP)

NAVMC 3500.120
1 Nov 13

7.10.5.1 Purpose. To develop proficiency in utilizing DASC operational equipment and hardware.

7.10.5.2 General

Admin Notes.

Prerequisites.

Crew Requirements. None

EQUIP-2150 1.5 * B CAC2S L

Goal. Identify the characteristics, capabilities and limitations of the CS.

Requirement. Identify and 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. Identify and explain the requirement items IAW the reference and without error.

Instructor. BI,SI

Prerequisite. 2105, 2110, 2115, 2120, 6220

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Comm Section Support

Reference.

1. TM 10576C-OI/1, Communication Interface System CAC2S(V)3
2. TM 10576D-OI, Communication Interface System CAC2S(V)4
3. Harris Quick Reference Pocket Guide for the AN/PRC-117
4. Harris Quick Reference Pocket Guide for the AN/PRC-150
5. MCWP 3-25.5 DASC Handbook
6. DASC Pocket Checklist
7. MCTSSA's Marine Corps Tactical Data Systems Reference Guide

EQUIP-2155 1.5 * B DASC Shelter L

Goal. Employ and maintain organic DASC shelter.

Requirement. Given the site diagram, an operational shelter with required cables, and four to six Marines, complete the following:

1. Emplace and expand shelter.

2. Stake down shelter.
3. Connect multiple shelters/vestibules/vehicle boots
4. Connect ECU ducting/plenum.
5. Connect lighting subsystems.
6. Connect internal power harness/MEPDS gear.
7. Tear-down and repack shelter for retrograde.
8. Conduct limited maintenance/repair

Performance Standard. Demonstrate the ability to properly set up (20 minutes) and tear down (20 minutes) a DASC Shelter and perform proper maintenance. Units will conduct this event for each type of shelter on the CMR.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DRASH XBT series manual
2. BASE-X manual
3. Unit generated exercise/operation site diagram

EQUIP-2160 0.5 * B L

Goal. Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS.

Requirement. Identify the MT/UT equipment as follows:

1. Identify rolling stock organic to the MASS. Conduct the following for each:
 - a. State the proper nomenclature.
 - b. State the power capabilities/requirements.
 - c. Explain the purpose of SL-3 gear and where to find the list.
 - d. Identify what equipment the vehicles can tow/carry.
2. Identify utility equipment organic to the MASS. Conduct the following for each:
 - a. State the proper nomenclature.
 - b. State the power capabilities/requirements.
 - c. State the relationship between utility equipment and specific DASC configurations
3. Explain proper hazardous material handling.

Performance Standard. Identify and explain the requirement items IAW the references; minor errors corrected by the trainee are acceptable.

Instructor. BI,SI

Prerequisite. None

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MSTP Pamphlet, MAGTF Planner's Guide
2. DASC Pocket Checklist

EQUIP-2165	0.5	*	B		L

Goal. Identify the characteristics, capabilities and limitations of the DASC MRC vehicles.

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

1. State the proper nomenclature
2. State the frequency spectrum
3. State expected range and factors affecting range
4. Identify power requirements and output
5. Identify compatible antennae

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%.

Instructor. BI,SI

Prerequisite. 2115, 2120

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket checklist

EQUIP-2170	2.0	(*)	B	1	PDS	L

Goal. Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)

Requirement. Given a DASC system diagram, CAC2S PDS OPFAC components, and the reference:

1. Set up the PDS 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 PDS OPFAC.

Performance Standard. With a DASC crew and reference, demonstrate the ability to perform requirement under general supervision.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Comm Section Support

Reference.

1. TM 12041A/12050A-OD2, CAC2S User Manual

7.10.6 PLOTTING (PLOT)

7.10.6.1 Purpose. To develop proficiency in maintaining the situational displays used in air support operations.

7.10.6.2 General.

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Core Skill proficient plotter.

Prerequisites. None

Crew Requirements. None

PLOT-2200	2.0	*	B	CAC2S L

Goal. Perform coordination of track data

Requirement. Given CAC2S, network initialization parameters, an OPTASK LINK, track supervision net (TSN), and a data network, demonstrate the ability to:

1. Brief data link use by the DASC.
2. Brief DASC TDS initialization settings.
3. Brief filters.
4. Brief net entry/exit responsibilities.
5. Brief data registration responsibilities.
6. Brief interface anomalies resolution steps.
7. Brief JTCW database read/write permissions.
8. Enter the C2 database IAW the OPTASK LINK.
9. Coordinate TDL gateway database entries IAW the OPTASK LINK.
10. Ensure the TDL gateway is set to forward all addressed messages to the C2 Tactical Data System address.
11. Ensure TDL filters are entered IAW OPTASK LINK.

12. Perform net entry responsibilities.
13. Perform track data coordination.
14. Maintain awareness for all local tracks.
15. Perform net exit responsibilities.

Performance Standard. Complete the listed requirements with the aid of reference. Coordination with Tactical Data System Administrators is expected for steps (9), (10), (11), (12), and (15). Minor errors corrected by the Marine are acceptable.

Instructor. BI,SI

Prerequisite. 2020

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Tactical Data System Administrators, External JREAP capable system, Live/Virtual/Constructive Interface Coordination Cell, Live/Virtual/Constructive Forwarding JTIDS/MIDS Unit Generic.

Reference.

1. TM 12041A/12050A-OD/2, System User Manual for CAC2S
2. MSCT Display User Manual, Raytheon/Solipsys
3. CJCSM 3115.01, Joint Data Network Operations
4. CJCSM 6120.01, Joint Multi TDL Operating Procedures
5. Unit DASC SOP

PLOT-2205	1.0	*	B	L

Goal. Plot coordinates and symbols on a map.

Requirement. Given a paper map, protractor, list of 20 coordinates, five Fire Support Coordination Measures (FSCMs), five Airspace Coordination Measures (ACMs), five friendly and five enemy unit locations, and 15 direct air support requests, demonstrate ability to:

1. Locate five, four-digit Military Grid Reference System (MGRS) coordinates within 15 seconds each.
2. Locate five, six-digit MGRS coordinates within 25 seconds each.
3. Locate five, eight-digit MGRS coordinates within 35 seconds each.
4. Locate five Lat/Long coordinates within 30 seconds each.
5. Plot five Fire Support Coordination Measures (FSCM) using appropriate symbols.
6. Plot five Airspace Coordination Measures (ACM) using appropriate symbols.
7. Plot five friendly and five enemy units using appropriate symbols.
8. Plot five Joint Tactical Air Request (JTARs).
9. Plot five Air Support Request (ASRs).
10. Plot five Medevacs.

Performance Standard. Plot coordinates and symbols within the time allowed IAW the reference. Minor errors that are corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2045, 2055, 2900, 2901, 2902, 2903, 2904, 2913, 2921, 8001, 8003.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. Although not required, recommend completion of:

- (a) MCI 0381D (Land Navigation)
- (b) MarineNet Courses 0801AO (Fire Support Coordination)
- (c) MarineNet CC03AO (Graphic and Airspace Control Measures)

Reference.

- 1. MCRP 5-2_, Operational Terms and Graphics
- 2. MCWP 3-16, Fire Support Coordination in the GCE.
- 3. JP 3-52, Joint Doctrine for Airspace Control in a Combat Zone.
- 4. MCI 0381D Land Navigation.
- 5. DASC Pocket checklist.

PLOT-2210	2.0	*	B	L

Goal. Track and display information associated with the execution of the Air Tasking Order (ATO).

Requirement. Given an ATO with a minimum of 10 fixed wing and 10 rotary wing missions, Special Instructions (SPINS) and a Frag Sheet or status display, demonstrate the ability to:

- 1. State the purpose and use of the United States Military Text Format (USMTF) ATO.
- 2. Parse an ATO and display pertinent information.
- 3. Extract mission data from an ATO.
- 4. Correctly display aircraft mission data in appropriate fields on frag sheet or display.
- 5. Display five changes to mission status.
- 6. Display five changes to mission data.
- 7. Display five changes to mission routing.
- 8. Display mission location and altitude for all missions.

Performance Standard. Track and display fixed wing and rotary wing information per the requirement items IAW the reference. Minor errors that are corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2045, 2900, 2901, 2902, 2910, 8001, 8003.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. MCRP 5-2_, Operational Terms and Graphics

7.10.7 TACTICAL AIR REQUEST/HELICOPTER REQUEST (TRHR)

7.10.7.1 Purpose. Develop proficiency in receiving and processing requests for immediate direct air support.

7.10.7.2 General

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Core Skill proficient Tactical Air Request/Helicopter Request net operator.

Prerequisites. None

Crew Requirements. None

TRHR-2250	2.0	*	B	S/L

Goal. Receive and process immediate air support requests.

Requirement. Given a minimum of 10 CASEVAC, 10 Joint Tactical Air Request (JTAR), and 10 Air Support Request (ASR) requests, perform the following for each air request.

1. Receive immediate support request from requesting unit
2. Pass request number to requesting unit
3. Route request throughout DASC Crew
4. Pass mission data to requesting unit
5. Receive Battle Damage Assessment (BDA) and pass to CC and SAD.
6. Confirm with requesting unit mission complete

Performance Standard. Process 9 of 10 of each type of immediate air support requests by completing each requirement item. Minor errors that are corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2045, 2100, 2900, 2901, 2902, 2911, 2940, 8000, 8003.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

7.10.8 TACTICAL AIR COMMAND/DIRECT AIR SUPPORT (TCDS)

7.10.8.1 Purpose. Develop proficiency in coordinating the execution of direct air support missions with the TACC and other MACCS agencies.

7.10.8.2 General.

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Core Skill proficient TAC/DAS Net Operator.

Prerequisites. None

Crew Requirements. None

TCDS-2300	2.0	*	B	S/L

Goal. Exchange information with the TACC/ACE.

Requirement. Given a Tactical Air Command/Direct Air Support (TAC/DAS) Net comprising of a TAC/DAS net operator and a Close Battle Coordinator (CBC), pass and receive a minimum of five examples of each of the following:

1. ATO and Airspace Control Order (ACO) changes.
2. Mission status.
3. Immediate air support requests.
4. Mission data and/or requests for launch or divert of A/C.
5. Friendly and enemy updates.
6. Weather updates.

Performance Standard. Process four of five of each information category listed in the requirement. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2045, 2055, 2060 2100 2210, 2900, 2901, 2902, 2905, 2910, 2911, 2940, 8001, 8002, 8003.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MWCP 3-25.5 DASC Handbook

2. DASC Pocket checklist

7.10.9 FIRE SUPPORT COORDINATION (FSC)

7.10.9.1 Purpose. To develop proficiency in coordinating the integration of aircraft employment with other supporting arms.

7.10.9.2 General.

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Core Skill proficient FSC net operator.

Prerequisites. None

Crew Requirements. None

FSC-2350	2.0	*	B	S/L

Goal. Exchange information with the FSCC/GCE.

Requirement. Given the reference and a FSC net comprised of a FSC Net operator and counterpart in the FSCC, pass and receive a minimum of five examples of each of the following:

1. Fire support coordination measures.
2. Ground scheme of maneuver updates.
3. Friendly and enemy situation updates.
4. Fire Support positions and fire capability.
5. Pass and receive requests for changes to Air Tasking Order (ATO)/Airspace Control Order (ACO)/Frag/Special Instructions (SPINS).

Performance Standard. Process information in each category. Minor errors that are corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2045, 2055, 2110, 2920, 2940, 8001, 8002, 8003, 8062.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

FSC-2355	2.0	*	B	S/L

Goal. Process fire missions.

Requirement. Given a minimum of 10 simulated fire missions:

1. Receive fire mission data from the FSCC.
2. Request additional info if required.
3. Inform Direct Air Support Center (DASC) Crew.
4. Pass a/c locations to FSCC if applicable.
5. Confirm End of Mission (EOM).

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. None

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

7.10.10 AIR SUPPORT NET OPERATOR (ASNO)

7.10.10.1 Purpose. To develop proficiency in crew coordination and functioning associated with direct support operations.

7.10.10.2 General.

Admin Notes. At least one of the following events must be completed prior to beginning this stage: TRHR-2315, TCDS-2325 or FSC-2335.

Prerequisites. None

Crew Requirement. DASC Crew

ASNO-2400	2.0	*	B	L

Goal. Maintain information on the DASC Tactical Display.

Requirement. Given a tactical data system (TDS), network initialization parameters, an OPTASK LINK, track supervision net (TSN), and data networks, demonstrate the ability to:

1. Configure your local system track list.
2. Import an Air Tasking Order.
3. Apply the appropriate display filters.
4. Plot land units/platforms as a track,
5. Plot geometries as a track.
6. Pair two or more tracks.
7. Pair two or more tracks.
8. Perform manual correlation actions.
9. Drop a track.

10. Apply a primary hook for a track.
11. Apply a secondary hook for a track.
12. Hook that specified track.
13. Apply a pointer onto the interface.
14. Provide a bearing and range between two objects.
15. Create an overlay file.
16. Import an Airspace Control Order as an overlay file.
17. Create an overlay object.
18. Organize an overlay file IAW unit SOP.
19. Share an overlay.

Performance Standard. With the aid of the CAC2S System User's Manual, complete the listed requirements. Minor errors corrected by the Marine are acceptable.

Instructor. BI,SI

Prerequisite. 2150

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. TM 12041A/12050A-OD/2, System User Manual for CAC2S
2. MSCT Display User Manual, Raytheon/Solipsys
3. CJCSM 3115.01, Joint Data Network Operations
4. CJCSM 6120.01, Joint Multi TDL Operating Procedures
5. Unit DASC SOP

ASNO-2405 4.0 365 B,R,M DASC L

Goal. Conduct Direct Air Support Center (DASC) operations in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given a scenario, supporting documentation, an operational DASC, conduct the duties of an Air Support Net Operator 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 communications procedures.
2. Utilize CBRN defense equipment as required.
3. Alert subordinate displaced elements.
4. Notify external agencies and aircraft.
5. Conduct the duties of the DASC position filled.

Performance Standard. Complete the requirement items. Minor errors corrected by the trainee are acceptable. The instructor may provide minimal guidance.

Prerequisite. 2250, 2300, or 2350.

Instructor. BI,SI

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Marine Corps Common Skills Handbook.
2. MCO 3400.3F (page 4, para. d) Nuclear, Biological, and Chemical Defense (NBCD) Training
3. MCRP 3-11.2A, Troop Leader's Guide (Appendix G)
4. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System

7.10.11 CREW CHIEF (CC)

7.10.11.1 Purpose. To develop proficiency in crew and system management involved in direct air support operations.

7.10.11.2 General.

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Core Skill proficient DASC Crew Chief.

Prerequisites. Complete ACPM 8040 and 8060 prior to completion of this stage.

Crew Requirement. DASC Crew

CC-2450	4.0	365	B,R,M	L

Goal. Conduct DASC Crew Chief duties in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given a scenario, supporting documentation, an operational DASC, conduct the duties of a DASC Crew Chief 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,SI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. Marine Corps Common Skills Handbook.
2. MCO 3400.3F (page 4, para. d) Nuclear, Biological, and Chemical Defense (NBCD) Training
3. MCRP 3-11.2A, Troop Leader's Guide (Appendix G)
4. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System

CC-2455	1.0	*	B	S/L

Goal. Extract critical information from supporting documents.

Requirement. Demonstrate the ability to extract critical information required for Direct Air Support Center (DASC) operations including but not limited to Fire Support Coordination Measures (FSCMs), Airspace Coordination Measures (ACMs), Scheme of Maneuver, Communications nets and frequencies, and aircraft missions from the following documents:

1. Warning Orders, Operations Orders (OPORDs) and Fragmentary Orders (FRAGOs).
2. Communications Plans and Automated Communications-Electronics Operating Instructions (ACEOI).
3. Airspace Control Plans (ACPs).
4. Airspace Control Orders (ACOs).
5. Air Tasking Orders (ATOs) and Special Instructions (SPINS).
6. OPTASK Link.

Performance Standard. Complete the requirement items IAW the reference. The instructor will verify the required information is extracted; minor errors corrected by the trainee are acceptable.

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063, MarineNet Courses: Logistics Planning Considerations (0401AO) and Communications Plans and Orders (2540).

Instructor. BI,SI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

CC-2460 1.0 * B L

Goal. Perform DASC 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. Joint Spectrum Interference Report (JSIR)
2. Equipment Status report.
3. Daily Operational summary (OPSUM).
4. DASC Crew position evaluations and qualification recommendations.

Performance Standard. Complete each requirement. The instructor may provide minimal guidance.

Instructor. BI,SI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

CC-2465 1.0 * B S/L

Goal. Determine prioritization of communication links

Requirement. Given the reference, a list of communication paths, DASC 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,SI

Prerequisite. 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

CC-2475	4.0	1460	B,R,M	L

Goal. Conduct the duties of a DASC Crew Chief during a passage of control.

Requirement. Given a scenario, supporting documentation, an operational DASC with echelon, and a passage of control checklist, demonstrate the ability to effectively conduct the following tasks while managing a DASC crew with an operational tempo of 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission:

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 DASC 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 DASC passes or receives control of airspace.

Instructor. BI,SI

Prerequisite. 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

CC-2480	1.0	*	B	L

Goal. Match available aviation assets with requests.

Requirement. Given a map, a list of aircraft with ordnance loads (flying and on strip alert), and ten immediate air support requests for each of the following: Assault Support Request, Joint Tactical Air Strike Request, and a Casualty Evacuation; Assign appropriate aircraft to each immediate air support request.

Performance Standard. Brief the instructor on assignments made.

Instructor. BI,SI

Prerequisite. 2065, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. DASC Pocket Checklist
2. JP 1-02
3. MCWP 3-2, Aviation Operations
4. MCWP 3-25.5, DASC Handbook
5. MCWP 3-25.3, MACCS Handbook
6. MCRP 3-16.6A
7. MCRP 5-12C

7.10.12 DASC Chief (DC)

7.10.12.1 Purpose. To develop technical expertise and proficiency required for DASC employment, integration into the MACCS, coordination with elements of the MAGTF, and planning for and management of air support operations. At the conclusion of this stage of training individuals may be designated by the commanding officer as Direct Air Support Center (DASC) Chiefs.

7.10.12.2 General

Prerequisites. Complete ACPM-8080 prior to completing this stage of training.

Admin Notes. None

Crew Requirement. DASC Detachment (multiple DASC Crews)

DC-2500	1.5	*	B	L

Goal. Conduct DASC 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 DASC operations

and draw a site diagram accounting for the following considerations:

1. Identify environmental concerns that may affect DASC communication.
2. FSCC collocation/coordination.
3. Site security.
4. Camouflage and dispersion.
5. Trafficability.
6. Location of communications and support equipment.
7. Priority for equipment emplacement.
8. Echelon considerations.
9. Identify composition of the Pre-deployment site survey team.
10. Identify alternate sites.

Performance Standard. Brief the instructor and answer questions on the site selected.

Instructor. BI,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. TM 10576C-OI/1, Communication Interface System CAC2S(V)3
5. TM 10576D-OI, Communication Interface System CAC2S(V)4

DC-2505	1.0	*	B	L

Goal. Supervise emplacement of the DASC.

Requirement. Given a site diagram with notation, 2 DASC crews, 2 Communication electronics crews, support personnel, and DASC equipment, perform the following:

1. Emplace equipment with proper dispersion per the site diagram.
2. Establish site security.
3. Camouflage equipment and site.
4. Ensure emplacement of Communications and support equipment to facilitate DASC operations.

Performance Standard. Emplace a DASC IAW with the site diagram

Instructor. BI,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. TM 10576C-OI/1, Communication Interface System CAC2S(V)3
5. TM 10576D-OI, Communication Interface System CAC2S(V)4

DC-2510	2.0	*	B	L

Goal. Determine DASC requirements

Requirement. Given mission tasking and Commander's guidance, determine requirements to support the DASC mission taking into account the following considerations:

1. Size of force supported.
2. Operational hours and duration of operation/exercise.
3. Communication requirements
4. Size of ACE / sortie rate.
5. Size of GCE / expected rate of immediate requests.
6. Digital backbone.
7. Use of automated systems.
8. Use of DASC extensions.
9. Echelon requirements
10. Information exchange requirements
11. Coordinate with supporting sections to produce: BOM, EDL, LSR, PEI listing, physical security of the site

Performance Standard. Complete all requirement items and brief the instructor.

Instructor. BI,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist

2. MCWP 3-25.5, DASC Handbook
3. MCWP 5-1, Marine Corps Planning Process (MCPPE)
4. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual
5. Chapter 1 of this Manual

DC-2515 1.5 * B S/L

Goal. Describe DASC displacement operations.

Requirement. Given a scenario-based Tactical Decision Game (TDG):

1. Define DASC displacement operations.
2. Explain the steps of DASC displacement operations IAW the references.
3. Write a plan for the DASC 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,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. MCWP 5-1, Marine Corps Planning Process (MCPPE)
4. MCO 3501.9B, Marine Corps Combat Readiness Evaluation System
5. MAGTF Operations Ashore

DC-2520 1.0 * B S/L

Goal. Describe 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,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5, DASC Handbook
2. U-DASC-PCL-5532, DASC 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

DC-2525	80.0	*	B	S

Goal. Create and supervise the conduct of a DASC Drill.

Requirement. Given a list of training objectives, plan, coordinate, and execute a DASC simulation to include:

1. Develop a scenario IAW training objectives.
2. Build a DASC drill to support the scenario (use of a simulation generator is encouraged but not required)
3. Submit the scenario and DASC drill to the instructor.
4. Request required communications and support equipment
5. Identify white cell requirements
6. Oversee setup of the DASC and white cell
7. Ensure execution and evaluation of the scenario
8. Compile After-Action items

Performance Standard. Complete all the requirement items while working with an SAD.

Instructor. BI,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. S-6, S-4, MT/UT

Reference.

1. U-DASC-PCL-5532, DASC 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 (MCP)
5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual

DC-2530 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).

Performance Standard. Conduct all the items in accordance with the references.

Instructor. BI,SI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 4-11.3G Unit Embarkation Handbook
2. MCWP 3-16.3 Tactics, Techniques and Procedures for the Field Artillery Cannon Battery
3. FM 6-50 Tactics, Techniques and Procedures for the Field Artillery Cannon Battery
4. FM 4-01.011 Unit Movement Operations
5. FORSCOM Form 285-R Vehicle Load Card
6. Squadron SOP

7.10.13 Familiarization (FAM)

7.10.13.1 Purpose. To facilitate the understanding of DASC operations through the familiarization with and observation of agencies/ organizations external to the DASC involved in aviation operations.

7.10.13.2 General

Prerequisite.

Admin Notes. Familiarization events are intended to complement the ACPM MACCS (8000) and MAGTF (8060) stages. Each event is to be conducted as a tour of an operational facility under the guidance of a DASC SI or appropriate agency equivalent.

Crew Requirements.

FAM-2550	2.0	*	B	L

Goal. Observe a Tactical Air Control Party (TACP).

Requirement. While observing a TACP in a field environment discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of a TACP.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8023

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TACP

Reference.

FAM-2555	2.0	*	B	L

Goal. Observe a TACC COPS.

Requirement. While observing a TACC COPS, discuss the positions, equipment and operations in relation to the DASC.

Performance Standard. Complete a tour of a TACC COPS.

Instructor. BI,SI

Prerequisite. 8001, 8002, 8003

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TACC

Reference.

FAM-2560 2.0 * B L

Goal. Observe VMU operations.

Requirement. While observing an operational UAS discuss the positions, equipment, and operations in relation to the DASC

Performance Standard. Complete a tour of a VMU UAS site.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8007

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. VMU

Reference.

FAM-2565 2.0 * B L

Goal. Observe a Fire Support Coordination Center (FSCC).

Requirement. While observing an FSCC in a field environment discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of a FSCC.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8062

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. An operational FSCC

Reference.

FAM-2570 2.0 * B L

Goal. Observe the TAOC

Requirement. Observe TAOC positions, equipment, and operations.

Performance Standard. Complete a tour of a TAOC

Instructor. BI,SI

Prerequisite. 8001, 8003, 8004

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. TAOC

Reference.

FAM-2575 2.0 * B L

Goal. Observe an Air Traffic Control Facility (ATCF).

Requirement. While observing an Air Traffic Control Facility (ATCF) discuss the positions, equipment, and operations in relation to the DASC.

Performance Standard. Complete a tour of an ATCF.

Instructor. BI,SI

Prerequisite. 8001, 8003, 8005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

7.10.14 Command and Control Systems (C2SYS)

7.10.14.1 Purpose. To develop proficiency in utilizing the command and control systems used in DASC operations.

7.10.14.2 General

Prerequisite.

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 DASC personnel position dependent:

EVENT CODE	EVENT NAME	POSITION	PRE-REQS
C2SYS-2900	Set up profile on TBMCS client	PLOT, TRHR, TCDS	
C2SYS-2901	Access TBMCS on line master help index	PLOT, TRHR, TCDS	2900
C2SYS-2902	Utilize the TBMCS alerts service web application	PLOT, TRHR, TCDS	2901
C2SYS-2903	Operate Map Manager	PLOT	2902

C2SYS-2904	Operate Web Mapping	PLOT	2902
C2SYS-2905	Utilize the air tasking order airspace control order tool	TCDS	2902
C2SYS-2909	Operate FSTAT	TCDS	2902
C2SYS-2910	Operate ESTAT	TCDS, PLOT	2902
C2SYS-2911	Operate WARP	TCDS, TRHR	2902
C2SYS-2913	Import an airspace group	PLOT	2902
C2SYS-2920	Operate AFATDS	FSC	
C2SYS-2921	Operate C2PC	PLOT	
C2SYS-2940	IRC	PLOT, TRHR, TCDS, FSC, CC	

Crew Requirements. None

7.11 MISSION SKILL TRAINING (3000)

7.11.1 Purpose. Mission Skill training consists of advanced events that provide training on processes within the DASC and develop the trainee's ability to perform their duties as a member of a DASC crew while conducting DASC operations. Once required Mission Skills are completed, the trainee may be recommended to be evaluated for qualification or designation.

7.11.2 General

7.11.2.1 Prerequisite. Complete all Core Skill events required for the respective crew position.

7.11.2.2 Admin Notes. The following requirements apply to the Levels of DASC Operational Tempo, where applicable:

Level 1: Minimum per hour: 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission.

Level 2: Minimum per hour: 4 F/W ATO missions, 4 R/W ATO missions, 3 immediate requests, and 2 fire missions.

Level 3: Minimum per hour: 6 F/W ATO missions, 6 R/W ATO missions, 4 immediate requests, and 3 fire missions.

Level 4: Minimum per hour: 8 F/W ATO missions, 8 R/W ATO missions, 5 immediate requests, and 4 fire missions.

Level 5: Minimum per hour: 10 F/W ATO missions, 10 R/W ATO missions, 6 immediate requests, and 5 fire missions.

7.11.2.3 Stages

PAR NO.	STAGE NAME
7.11.3	PLOTTING (PLOT)
7.11.4	TACTICAL AIR REQUEST/HELICOPTER REQUEST (TRHR)

7.11.5	TACTICAL AIR COMMAND/DIRECT AIR SUPPORT (TCDS)
7.11.6	FIRE SUPPORT COORDINATION (FSC)
7.11.7	CREW CHIEF (CC)
7.11.8	DASC CHIEF (DC)

7.11.3 PLOTTING (PLOT)

7.11.3.1 Purpose. To develop proficiency in maintaining the situational displays used in air support operations.

7.11.3.2 General

Prerequisite. None

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a mission skill proficient plotter.

Crew Requirements. CORE MINIMUM CREW

PLOT-3000 4.0 * B L/S

Goal. Level 1 - Perform as a DASC Plotter

Requirement. Given a DASC, perform as a Main Board Plotter and a fixed-wing or rotary-wing plotter demonstrating the ability to:

1. Find four, six and eight digit MGRS coordinates.
2. Find Lat/Long Coordinates.
3. Plot military symbology.
4. Track and display the execution of the ATO.

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. 2300, 2305.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

PLOT-3005 4.0 * B L/S

Goal. Level 2 - Perform as a DASC Plotter.

Requirement. Given a DASC, perform as a Main Board Plotter and a fixed-wing or rotary-wing plotter demonstrating the ability to:

1. Find four, six and eight digit MGRS coordinates.
2. Find Lat/Long Coordinates.
3. Plot military symbology.
4. Track and display the execution of the ATO.

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. 2300, 2305, 3000

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

PLOT-3010	4.0	1095	B,R	L/S

Goal. Level 3 - Perform as a DASC Plotter

Requirement. Given a DASC, perform as a Main Board Plotter and a fixed-wing or rotary-wing plotter demonstrating the ability to:

1. Find four, six and eight digit MGRS coordinates.
2. Find Lat/Long Coordinates.
3. Plot military symbology.
4. Track and display the execution of the ATO.

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. 2300, 2305, 3000, 3005.

Instructor. SI,WTI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

PLOT-3015 4.0 * B L/S

Goal. Level 4- Perform as a DASC Plotter

Requirement. Given a DASC, perform as a Main Board Plotter and a fixed-wing or rotary-wing plotter demonstrating the ability to:

1. Find four, six and eight digit MGRS coordinates.
2. Find Lat/Long Coordinates.
3. Plot military symbology.
4. Track and display the execution of the ATO.

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. 2300, 2305, 3000, 3005, 3010.

Instructor. SI,WTI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

PLOT-3020 4.0 1095 B,R,M L/S

Goal. Level 5 - Perform as a DASC Plotter

Requirement. Given a DASC, perform as a Main Board Plotter and a fixed-wing or rotary-wing plotter demonstrating the ability to:

1. Find four, six and eight digit MGRS coordinates.
2. Find Lat/Long Coordinates.
3. Plot military symbology.
4. Track and display the execution of the ATO.

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. 2300, 2305, 3000, 3005, 3010, 3015.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook

7.11.4 TACTICAL AIR REQUEST/HELICOPTER REQUEST (TRHR)

7.11.4.1 Purpose. To develop proficiency in receiving and processing requests for immediate direct air support.

7.11.4.2 General

Prerequisite. None

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a mission skill proficient Tactical Air Request/Helicopter Request net operator.

Crew Requirements. CORE MINIMUM CREW

TRHR-3050	4.0	*	B	L/S

Goal. Level 1 - Perform as a TAR/HR Net Operator

Requirement. Given a DASC, perform as a TAR/HR Net operator demonstrating the ability to:

1. Receive and process immediate requests (JTAR, ASR, MEDEVAC), pass request numbers and complete forms.
2. Pass mission data.
3. Receive/pass Battle Damage Assessments (BDAs).
4. Pass Air Defense Warning Condition/Weapons Control Status.
5. Pass Threat updates.
6. Authenticate/Encrypt/Decrypt, as required.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2250.

Instructor. SI,WTI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TRHR-3055 4.0 * B L/S

Goal. Level 2 - Perform as a TAR/HR Net Operator

Requirement. Given a DASC, perform as a TAR/HR Net operator demonstrating the ability to:

1. Receive and process immediate requests (JTAR, ASR, MEDEVAC), pass request numbers and complete forms.
2. Pass mission data.
3. Receive/pass Battle Damage Assessments (BDAs).
4. Pass Air Defense Warning Condition/Weapons Control Status.
5. Pass Threat updates.
6. Authenticate/Encrypt/Decrypt, as required.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2250, 3050.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TRHR-3060 4.0 1095 B,R,M L

Goal. Level 3 - Perform as a TAR/HR Net Operator

Requirement. Given a DASC, perform as a TAR/HR Net operator demonstrating the ability to:

1. Receive and process immediate requests (JTAR, ASR, MEDEVAC), pass request numbers and complete forms.
2. Pass mission data.
3. Receive/pass Battle Damage Assessments (BDAs).
4. Pass Air Defense Warning Condition/Weapons Control Status.
5. Pass Threat updates.
6. Authenticate/Encrypt/Decrypt, as required.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.

9. Use appropriate communication procedures.

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. 2250, 3050, 3055.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TRHR-3065	4.0	*	B	L/S

Goal. Level 4 - Perform as a TAR/HR Net Operator

Requirement. Given a DASC, perform as a TAR/HR Net operator demonstrating the ability to:

1. Receive and process immediate requests (JTAR, ASR, MEDEVAC), pass request numbers and complete forms.
2. Pass mission data.
3. Receive/pass Battle Damage Assessments (BDAs).
4. Pass Air Defense Warning Condition/Weapons Control Status.
5. Pass Threat updates.
6. Authenticate/Encrypt/Decrypt, as required.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2250, 3050, 3055, 3060.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TRHR-3070 4.0 1095 B,R,M L

Goal. Level 5 - Perform as a TAR/HR Net Operator

Requirement. Given a DASC, perform as a TAR/HR Net operator demonstrating the ability to:

1. Receive and process immediate requests (JTAR, ASR, MEDEVAC), pass request numbers and complete forms.
2. Pass mission data.
3. Receive/pass Battle Damage Assessments (BDAs).
4. Pass Air Defense Warning Condition/Weapons Control Status.
5. Pass Threat updates.
6. Authenticate/Encrypt/Decrypt, as required.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2250, 3050, 3055, 3060, 3065.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

7.11.5 TACTICAL AIR COMMAND/DIRECT AIR SUPPORT (TCDS)

7.11.5.1 Purpose. Develop proficiency in coordinating direct air support with the TACC and other MACCS agencies.

7.11.5.2 General

Prerequisite. None

Admin Note. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a mission skill proficient Tactical Air Command/Direct Air Support Net Operator.

Crew Requirement. CORE MINIMUM CREW

TCDS-3100 4.0 * B L/S

Goal. Level 1 - Perform as a TAC/DAS Net Operator

Requirement. Given a DASC, perform as a TAC/DAS Net operator demonstrating the ability to:

1. Read and understand USMTF Air Tasking Order (ATO).
2. Receive/request changes to ATO/Frag/SPINS.
3. Receive/request changes to ACO.
4. Pass friendly & enemy information.
5. Pass BDA/Mission Report (MISPREP)/In Flight Report (IFREP).
6. Receive Air Defense Warning Condition/Weapons Control Status (ADWC/WCS).
7. Receive/request threat information.
8. Receive and pass weather updates & Pilot Reports (PIREPs).
9. Receive/ request status of Forward Operation Bases (FOBs) and airfields.
10. Requests for immediate air support.
11. Pass a DASC Equipment Status report.
12. Perform Crew Brief, changeover brief and debrief.
13. Maintain crew position log.
14. Use appropriate communication procedures.

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. 2210, 2300.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TCDS-3105	4.0	*	B	L/S

Goal. Level 2 - Perform as the a TAC/DAS Net Operator

Requirement. Given a DASC, perform as a TAC/DAS Net operator demonstrating the ability to:

1. Read and understand USMTF Air Tasking Order (ATO).
2. Receive/request changes to ATO/Frag/SPINS.
3. Receive/request changes to ACO.
4. Pass friendly & enemy information.
5. Pass BDA/Mission Report (MISPREP)/In Flight Report (IFREP).
6. Receive Air Defense Warning Condition/Weapons Control Status (ADWC/WCS).
7. Receive/request threat information.
8. Receive and pass weather updates & Pilot Reports (PIREPs).

9. Receive/ request status of Forward Operation Bases (FOBs) and airfields.
10. Requests for immediate air support.
11. Pass a DASC Equipment Status report.
12. Perform Crew Brief, changeover brief and debrief.
13. Maintain crew position log.
14. Use appropriate communication procedures.

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. 2210, 2300, 3100.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TCDS-3110 4.0 1095 B,R,M L/S

Goal. Level 3 - Perform as a TAC/DAS Net Operator

Requirement. Given a DASC, perform as a TAC/DAS Net operator demonstrating the ability to:

1. Read and understand USMTF Air Tasking Order (ATO).
2. Receive/request changes to ATO/Frag/SPINS.
3. Receive/request changes to ACO.
4. Pass friendly & enemy information.
5. Pass BDA/Mission Report (MISPREP)/In Flight Report (IFREP).
6. Receive Air Defense Warning Condition/Weapons Control Status (ADWC/WCS).
7. Receive/request threat information.
8. Receive and pass weather updates & Pilot Reports (PIREPs).
9. Receive/ request status of Forward Operation Bases (FOBs) and airfields.
10. Requests for immediate air support.
11. Pass a DASC Equipment Status report.
12. Perform Crew Brief, changeover brief and debrief.
13. Maintain crew position log.
14. Use appropriate communication procedures.

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. 2210, 2300, 3100, 3105.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TCDS-3115	4.0	*	B	L/S

Goal. Level 4 - Perform as a TAC/DAS Net Operator

Requirement. Given a DASC, perform as a TAC/DAS Net operator demonstrating the ability to:

1. Read and understand USMTF Air Tasking Order (ATO).
2. Receive/request changes to ATO/Frag/SPINS.
3. Receive/request changes to ACO.
4. Pass friendly & enemy information.
5. Pass BDA/Mission Report (MISPREP)/In Flight Report (IFREP).
6. Receive Air Defense Warning Condition/Weapons Control Status (ADWC/WCS).
7. Receive/request threat information.
8. Receive and pass weather updates & Pilot Reports (PIREPs).
9. Receive/ request status of Forward Operation Bases (FOBs) and airfields.
10. Requests for immediate air support.
11. Pass a DASC Equipment Status report.
12. Perform Crew Brief, changeover brief and debrief.
13. Maintain crew position log.
14. Use appropriate communication procedures.

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. 2210, 2300, 3100, 3105, 3110

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

TCDS-3120	4.0	1095	B,R,M	L/S

Goal. Level 5 - Perform as a TAC/DAS Net Operator

Requirement. Given a DASC, perform as a TAC/DAS Net operator demonstrating the ability to:

1. Read and understand USMTF Air Tasking Order (ATO).
2. Receive/request changes to ATO/Frag/SPINS.
3. Receive/request changes to ACO.
4. Pass friendly & enemy information.
5. Pass BDA/Mission Report (MISPREP)/In Flight Report (IFREP).
6. Receive Air Defense Warning Condition/Weapons Control Status (ADWC/WCS).
7. Receive/request threat information.
8. Receive and pass weather updates & Pilot Reports (PIREPs).
9. Receive/ request status of Forward Operation Bases (FOBs) and airfields.
10. Requests for immediate air support.
11. Pass a DASC Equipment Status report.
12. Perform Crew Brief, changeover brief and debrief.
13. Maintain crew position log.
14. Use appropriate communication procedures.

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. 2210, 2300, 3100, 3105, 3110, 3115.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

7.11.6 FIRE SUPPORT COORDINATION (FSC)

7.11.6.1 Purpose. To develop proficiency in the integration of aircraft employment with other supporting arms.

7.11.6.2 General

Prerequisite. None

Admin Notes. Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a mission skill proficient Fire Support Coordination net operator.

Crew Requirement. CORE MINIMUM CREW

FSC-3150 4.0 * B L/S

Goal. Level 1 - Perform as an FSC Net Operator

Requirement. Given a DASC, perform as an FSC Net operator demonstrating the ability to:

1. Pass/receive friendly and enemy information.
2. Receive Fire Support positions, fire mission data and status.
3. Receive changes to Friendly Scheme of Maneuver
4. Process changes to Fire Support Coordination measures.
5. Pass and receive requests for changes to ATO/ACO/Frag/SPINS.
6. Pass/receive aircraft mission status.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2350, 2355.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

FSC-3155 4.0 * B L/S

Goal. Level 2 - Perform as an FSC Net Operator

Requirement. Given a DASC, perform as an FSC Net operator demonstrating the ability to:

1. Pass/receive friendly and enemy information.
2. Receive Fire Support positions, fire mission data and status.
3. Receive changes to Friendly Scheme of Maneuver
4. Process changes to Fire Support Coordination measures.
5. Pass and receive requests for changes to ATO/ACO/Frag/SPINS.
6. Pass/receive aircraft mission status.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2350, 2355, 3150.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

FSC-3160	4.0	1095	B,R,M	L/S

Goal. Level 3 - Perform as an FSC Net Operator

Requirement. Given a DASC, perform as an FSC Net operator demonstrating the ability to:

1. Pass/receive friendly and enemy information.
2. Receive Fire Support positions, fire mission data and status.
3. Receive changes to Friendly Scheme of Maneuver
4. Process changes to Fire Support Coordination measures.
5. Pass and receive requests for changes to ATO/ACO/Frag/SPINS.
6. Pass/receive aircraft mission status.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2350, 2355, 3150, 3155.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

FSC-3165	4.0	*	B	L

Goal. Level 4 - Perform as an FSC Net Operator

Requirement. Given a DASC, perform as an FSC Net operator demonstrating the ability to:

1. Pass/receive friendly and enemy information.
2. Receive Fire Support positions, fire mission data and status.
3. Receive changes to Friendly Scheme of Maneuver
4. Process changes to Fire Support Coordination measures.
5. Pass and receive requests for changes to ATO/ACO/Frag/SPINS.
6. Pass/receive aircraft mission status.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2350, 2355, 3150, 3155, 3160.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

FSC-3170	4.0	1095	B,R,M	L/S

Goal. Level 5 - Perform as an FSC Net Operator

Requirement. Given a DASC, perform as an FSC Net operator demonstrating the ability to:

1. Pass/receive friendly and enemy information.
2. Receive Fire Support positions, fire mission data and status.
3. Receive changes to Friendly Scheme of Maneuver
4. Process changes to Fire Support Coordination measures.
5. Pass and receive requests for changes to ATO/ACO/Frag/SPINS.
6. Pass/receive aircraft mission status.
7. Perform Crew Brief, changeover brief and debrief.
8. Maintain crew position log.
9. Use appropriate communication procedures.

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. 2350, 2355, 2565, 3150, 3155, 3160, 3165.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

7.11.7 CREW CHIEF (CC)

7.11.7.1 Purpose. To develop proficiency in crew and system management involved in direct air support operations. At the completion of this stage of training, individuals will be recommended for qualification as a DASC Crew Chief.

7.11.7.2 General

Prerequisite. Complete ACPM-8000, 8020, 8040, and 8060 prior to completion of this stage.

Admin Notes. CC-2400 (CBRN) and CC-2440 (pass control) events can be performed concurrently with these events. However, the performance standard for each event must be met and documented in a separate evaluation form.

Crew Requirement. Core capable DASC Crew

CC-3200	4.0	*	B	L/S

Goal. Level 1 - Perform as a DASC Crew Chief

Requirement. Given a scenario, supporting documentation, an operational DASC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.
4. Maintain a significant event log.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the DASC 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. Perform the requirement to a proficient level (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. 2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

CC-3205	4.0	*	B	L/S

Goal. Level 2 - Perform as a DASC Crew Chief

Requirement. Given a scenario, supporting documentation, an operational DASC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.
4. Maintain a significant event log.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the DASC 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. Perform the requirement to a proficient level (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. 2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 6220, 8000, 8020, 8062, 8063.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist

2. MCWP 3-25.5, DASC Handbook

CC-3210 4.0 * B,R,M L/S

Goal. Level 3 - Perform as a DASC Crew Chief

Requirement. Given a scenario, supporting documentation, an operational DASC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.
4. Maintain a significant event log.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the DASC 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. Perform the requirement to a proficient level (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. 2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 6220, 8000, 8020, 8062, 8063.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

CC-3215 4.0 (*) B 1 DASC L

Goal. Level 4 - Perform as a DASC Crew Chief

Requirement. Given a scenario, supporting documentation, an operational DASC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.

4. Maintain a significant event log.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the DASC 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. Perform the requirement to a proficient level (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. 2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8062, 8063.

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

CC-3220	4.0	1095	B,R,M	L

Goal. Level 5 - Perform as a DASC Crew Chief

Requirement. Given a scenario, supporting documentation, an operational DASC, higher, adjacent, and subordinate elements (live, virtual or constructive), manage a crew and associated systems to include the following at a minimum:

1. Conduct pre watch brief, crew change brief and debrief.
2. Manage Communication assets.
3. Extract critical information from supporting documents.
4. Maintain a significant event log.
5. Review forms for completeness and accuracy.
6. Ensure information processed by the DASC 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. Perform the requirement to a proficient level (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. 2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8040, 8060.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

7.11.8 DASC CHIEF (DC)

7.11.8.1 Purpose. To develop combat leaders with the technical expertise and proficiency in DASC employment, integration into the MACCS and coordination with elements of the MAGTF, and planning for and management of air support operations. At the conclusion of this stage of training individuals will be eligible to be designated by the commanding officer as a Direct Air Support Center (DASC) Chief.

7.11.8.2 General

Prerequisite. ACPM 8000, 8020, 8040, 8060, 8080 are required to be completed prior to being eligible for designation therefore it is highly encouraged that the trainee work to complete all ACPM stages prior to completing this stage of training.

Admin Notes. None.

Crew Requirement. DASC Detachment (multiple DASC Crews)

DC-3250	8.0	1095	B,R,M	L/S

Goal. Conduct the duties of a DASC Chief during a field deployment/exercise.

Requirement. Given a Warning Order, Deployment Order and/or MCTEEP Exercise, a T/O and T/E, and other planning documents plan for and execute a MEB or MEF-level DASC deployment of at least five (5) days in length. Conduct planning and supervise execution to include the following items:

1. Conduct Mission Analysis
2. Review OPORDs and Concept of Operations
3. Coordinate logistics/personnel and equipment requirements
4. Participate as part of a site selection/survey
5. Assist in producing the LOI.
6. Coordinate with other sections to identify, create, and submit (as applicable):
 - a. Training Objectives

- b. Personnel Roster
- c. Equipment Density List/Bill of Materials (BOM) Request
- d. DASC Information Exchange requirements
- 7. Coordinate with external agencies as required
 - a. Inter Squadron
 - b. MACCS Agencies
 - c. Fire Support Coordination Center (FSCC) & GCE
 - d. Joint C4I Agencies
 - e. Patient Evaluation Team (PET)
- 8. Conduct gear/equipment inspection
- 9. Supervise embarkation
- 10. Maintain accountability of DASC personnel
- 11. Inspect physical security of the site
- 12. Inspect security of classified areas.
- 13. Supervise training of DASC personnel
- 14. Assist in compiling After-Action items

Performance Standard. Conduct this event in compliance with local training guides, SOP and governing directives. This event can be completed locally as the execution phases of DC-2550 provided the DASC Drill incorporates movement away from the Squadron.

Instructor. SI,WTI

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

- 1. DASC 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 (MCP)
- 5. MSTP Pamphlet 5-0.3, MAGTF Planner's Reference Manual
- 6. MCRP 3-0A, Unit Training Management (UTM) Guide
- 7. MCRP 3-0B, How to Conduct Training

7.12 CORE PLUS TRAINING (4000)

7.12.1 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.

7.12.2 General

7.12.2.1 Prerequisite.

7.12.2.2 Admin Notes. The following requirements apply to the Levels of DASC Operational Tempo, where applicable:

Level 1: Minimum per hour: 2 F/W ATO missions, 2 R/W ATO missions, 2 immediate requests, and 1 fire mission.

Level 2: Minimum per hour: 4 F/W ATO missions, 4 R/W ATO missions, 3 immediate requests, and 2 fire missions.

Level 3: Minimum per hour: 6 F/W ATO missions, 6 R/W ATO missions, 4 immediate requests, and 3 fire missions.

Level 4: Minimum per hour: 8 F/W ATO missions, 8 R/W ATO missions, 5 immediate requests, and 4 fire missions.

Level 5: Minimum per hour: 10 F/W ATO missions, 10 R/W ATO missions, 6 immediate requests, and 5 fire missions.

7.12.2.3 Stages.

PAR NO.	STAGE NAME
7.12.3	ACADEMIC (ACAD)
7.12.4	AIR SUPPORT NET OPERATOR (ASNO)
7.12.5	PLOTTING (PLOT)
7.12.6	PROCEDURAL CONTROL (CTRL)
7.12.7	HELICOPTER DIRECTOR (HD)
7.12.8	TACTICAL DIRECTOR (TAD)
7.12.9	FAMILIARIZATION (FAM)
7.12.10	COMMAND AND CONTROL SYSTEMS (C2SYS)

7.12.3 ACADEMIC (ACAD)

7.12.3.1 Purpose. To develop DASC knowledge in advanced datalinks.

7.12.3.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

ACAD-4000 1.5 * B G

Goal. Define Link 16 / Tactical Datalink J (TDL-J).

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

1. Identify the characteristics of Time Division Multiple Access (TDMA).
 - a. Define EPOCH.
 - b. Define a Frame.
 - c. Define a Timeslot.

2. Identify the frequency characteristics of Link 16.
3. Identify the types of Link 16 network connectivity.
4. Identify the purpose of Transmission Security (TSEC).
5. Identify the purpose of Mission Security (MSEC).
6. Identify the purpose of a Network Participation Group (NPG).
7. Identify the characteristics of Link 16 messages.
8. Identify Link 16 NPGs.
9. Define the term stacked net.
10. Identify the NPGs most commonly assigned as stacked nets.
11. Describe NPG 9 stacked net operation.
12. Identify Link 16 capable C2 units in the MAGTF.
13. Identify Link 16 capable aircraft in the MAGTF.

Performance Standard. Without the aid of reference, pass an exam with a minimum score of 80%. Completion of JT-101 (Link 16 Joint Interoperability Course Web Based Training) satisfies the requirement.

Instructor. SI,WTI

Prerequisite. 2005

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSI 3151.01B, GCCS COP Reporting Requirements
3. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. Understanding Link 16: A guidebook for USN and USMC operators.
6. Understanding Link 16: A guidebook for USAF operators.

ACAD-4005	1.5	*	B	G

Goal. Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP.

Requirement. Given a USMTF User Formats, Link 16 network, Network Description Document, OPTASK LINK, Multi-TDL Architecture Diagram, Multi-TDL Network Cutsheet, and a filter plan; perform the following:

1. Explain the reason the DASC must plan Link 16 information exchanges based on a Forwarding JU Generic's (FJUG) network connectivity.
2. Identify the information security requirements for information exchanges.
3. Explain network time offsets.
4. Identify Link 16 networks range options.
5. Identify the requirements for Link 16 direct connectivity.
6. Identify the requirements for Link 16 indirect connectivity.

7. Identify the purpose of a Network Description Document (NDD).
8. Identify the information contained in the platform functional description table.
9. Identify the purpose of the connectivity matrix.
10. Identify the purpose of a slot group.
11. Identify relay slot groups in the connectivity matrix.
12. Describe net number assignments for slot groups.
13. Resolve a participant IDs for JUs using the service annexes.
14. Describe the modes of access given to units for time slot access.
15. Describe assignment values for participants in a slot group.

Performance Standard. With the aid of references, provide the instructor with the DASC MTN information exchanges. Minor errors corrected by the student are acceptable. Completion of JT-102 satisfies the requirement.

Instructor. SI,WTI

Prerequisite. 2005, 2010, 2035

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. CJCSM 3115.01, Joint Data Network Operations
2. CJCSM 6120.01, Joint Multi-TDL Operating Procedures
3. MIL-STD-6016, TDL 16 Interface Standard
4. How to read a Connectivity Matrix, Air Force Link 16 Network Design Facility, 2009
5. Guide to the USMTF User Formats-OPTASK LINK
6. Unit SOP

7.12.4 AIR SUPPORT NET OPERATOR (ASNO)

7.12.4.1 Purpose. To develop DASC experience in establishing and operating advanced datalinks.

7.12.4.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

ASNO-4050	4.0	*	B	S/L

Goal. Operate a Joint Range Extension Gateway.

Requirement. Given a Joint Range Extension Gateway (JRE-GW), an OPTASK LINK, and a data network, demonstrate the ability to:

1. Connect the JRE Client to the JRE server.
2. Inspect/Configure own unit configuration:
 - a. JU Address
 - b. Message Forwarding Address (MSCT)
 - c. PPLI Message Format
 - d. Unit Position Source
 - e. Unit Position Location
 - f. Elevation
3. Load Raster Maps.
4. Configure filters IAW the OPTASK LINK.
5. Inspect link configurations.
6. Utilize the connection matrix to transmit data over the appropriate link
7. Utilize the connection matrix to receive data over the appropriate link
8. Activate links as required.
9. Coordinate links as required.
10. Deactivate links as required.
11. Performance Standard: Complete the requirements IAW the references. Tactical Data System Administrators may assist with steps (1), (2), (4), (6), (7), (8), (9) and (10) only.

Instructor. SI,WTI

Prerequisite. 2015

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system.

Reference.

1. JRE Users Guide
2. TM 12041A/12050A-OD/2, System User Manual for CAC2S
3. CJCSM 6120.01, Joint Multi TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-3011, Joint Range Extension Application Protocol

ASNO-4055	1.0	*	B	S/L

Goal. Establish JREAP A

Requirement. Given a SATCOM radio, satellite access authorization, an OPTASK LINK, appropriate COMSEC keys, a COMSEC device (internal/external), and a Joint Range Extension Gateway, demonstrate the ability to:

1. Set up the radio for SATCOM operations
2. Configure the radio for SATCOM operations
3. Connect the JRE to the radio
4. Setup the JREAP A link
5. Coordinate net entry

6. Activate the JREAP A link
7. Initialize the correct forwarding actions
8. Deactivate the JREAP A link

Performance Standard. With the aid of reference, complete the listed requirements IAW the reference. Tactical Data System Administrators may assist with steps (1), (2), and (3) only. Minor errors corrected by the Marine are acceptable.

Instructor. SI,WTI

Prerequisite. 2015, 2100, 2115, 4050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Aviation Radio Repairmen, DASC Tactical Data System Administrators, 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-3011, Joint Range Extension Application Protocol
5. TM 11927A-OR, AN/PRC-117G
6. TM 10597A-OR/4, AN/PRC-117F

ASNO-4060	1.0	*	B	S/L

Goal. Establish a Satellite J Link

Requirement. Given a SATCOM radio, satellite access authorization, an OPTASK LINK, the appropriate COMSEC keys, a COMSEC device (internal/external), and a Joint Range Extension Gateway, demonstrate the ability to:

1. Set up the radio for SATCOM operations
2. Configure the radio for SATCOM operations
3. Connect the JRE to the radio
4. Setup the SAT-J link
5. Coordinate net entry
6. Activate the SAT-J link
7. Initialize the correct forwarding actions
8. Deactivate the SAT-J link

Performance Standard. With the aid of reference, complete the listed requirements IAW the reference. Tactical Data System Administrators may assist with steps (1), (2), and (3) only. Minor errors corrected by the Marine are acceptable.

Instructor. SI,WTI

Prerequisite. 2015, 2100, 2115, 4050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Aviation Radio Repairmen, DASC Tactical Data System Administrators, External JREAP capable system, DAMA Satellite Access, Live/Virtual/Constructive JRE Unit Gateway Controller.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. TM 12041A/12050A-OD/2, System User Manual for CAC2S
3. CJCSM 6120.01, Joint Multi TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-3011, Joint Range Extension Application Protocol
6. TM 11927A-OR, AN/PRC-117G
7. TM 10597A-OR/4, AN/PRC-117F

ASNO-4065	1.0	*	B	S/L

Goal. Establish JREAP B

Requirement. Given a secure voice and data terminal, a switching network, a Crypto Card, Crypto Ignition Key, an OPTASK LINK, and a Joint Range Extension Gateway, demonstrate the ability to:

1. Set up the Secure Voice and Data Terminal
2. Configure the Secure Voice and Data Terminal
3. Verify secure voice communications with the receiving end
4. Determine the JREAP B mode of operation
5. Connect the JRE to the Secure Voice and Data Terminal
6. Setup the JREAP B link
7. Coordinate net entry
8. Activate the JREAP B link
9. Initialize the correct forwarding actions
10. Deactivate the JREAP B link

Performance Standard. With the aid of reference, complete the listed requirements IAW the reference. Tactical Data System Administrators may assist with steps (1), (2), (3), and (4) only. Minor errors corrected by the Marine are acceptable.

Instructor. SI,WTI

Prerequisite. 2015, 4050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system, switching network, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide

2. TM 12041A/12050A-OD/2, System User Manual for CAC2S
3. CJCSM 6120.01, Joint Multi TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-3011, Joint Range Extension Application Protocol
6. TM 11927A-OR, AN/PRC-117G
7. TM 10597A-OR/4, AN/PRC-117F

ASNO-4070 1.0 * B S/L

Goal. Establish JREAP C

Requirement. Given a Joint Range Extension Gateway, network initialization parameters, an OPTASK LINK, data link coordination net, and a data network, establish a JREAP C link:

1. Setup the JREAP C link
2. Coordinate net entry
3. Activate the JREAP C link
4. Initialize the correct forwarding actions
5. Deactivate the JREAP C link

Performance Standard. With the aid of reference, complete the listed requirements IAW the reference. Minor errors corrected by the Marine are acceptable.

Instructor. SI,WTI

Prerequisite. 2015, 4050

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system, Live/Virtual/Constructive JRE Unit.

Reference.

1. TO 3155-2TYQ123-8-1, JRE Users Guide
2. TM 12041A/12050A-OD/2, System User Manual for CAC2S
3. CJCSM 6120.01, Joint Multi TDL Operating Procedures
4. MIL-STD-6016, TDL 16 Interface Standard
5. MIL-STD-3011, Joint Range Extension Application Protocol

7.12.5 PLOTTING (PLOT)

7.12.5.1 Purpose. To develop DASC operational experience in utilizing advanced datalinks.

7.12.5.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

PLOT-4100 4.0 * B S/L

Goal. Perform as a plotter.

Requirement. Given a C2 tactical data system which includes an indirect Link 16 interface, an Air Tasking Order (ATO), demonstrate the following:

1. Maintain a list of all C2 interface unit addresses.
2. Associate a friendly air track with the appropriate air tasking order mission.
3. Track the data link capabilities of each ATO mission.
4. Send a TDL free text message to an aircraft.
5. Observe the kinematic properties for a track.
6. Given an ATO mission, hook that specific track.
7. Plot an aircraft routing using track options.
8. Plot an aircraft working area using track options.
9. Given a friendly air track, determine the controlling unit for that track.
10. Conduct a digital handover with another C2 interface unit.
11. Report the DASC as the controlling unit for an uncontrolled track on the interface.
12. Provide J series message routing to a Link 16 capable aircraft.
13. Provide J series message tasking to a Link 16 capable aircraft
14. Pair a friendly track with its objective(s) via J series message.
15. Send a J15.0 message to capable aircraft.

Performance Standard. With the aid of reference, complete the listed requirements. Minor errors corrected by the Marine are acceptable.

Instructor. SI,WTI

Prerequisite. 2005, 2010, 2040

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. External JREAP capable system, Forwarding JTIDS/MIDS Unit Generic, Link 16 network, C2 JTIDS/MIDS Unit, non C2 Link 16 platform.

Reference.

1. TM 12041A/12050A-OD/2, System User Manual for CAC2S
2. MSCT Display User Manual, Raytheon/Solipsys
3. MIL-STD-6016, TDL 16 Interface Standard

7.12.6 CREW CHIEF (CC)

7.12.6.1 Purpose. To develop supervisory skills for coordination of DASC

advanced datalink tactics, techniques, and procedures.

7.12.6.2 General

Prerequisite. None.

Admin Notes. None.

Crew Requirement. None.

CC-4150	4.0	*	B	S/L

Goal. Supervise the coordination of Data Links

Requirement. Given a tactical data system, network initialization parameters, an OPTASK LINK, data link coordination net, a data network:

1. Verify briefer understands critical Multi Tactical Data Link architecture and includes in the crew pre-brief.
2. Verify briefer understands the DASC MTN information exchange requirements and includes them in the crew pre-brief.
3. Supervise net entry and data registration.
5. Verify C2 database entries are entered IAW the OPTASK LINK.
6. Verify TDL gateway database entries are entered IAW the OPTASK LINK.
7. Confirm the TDL gateway links are IAW the OPTASK LINK.
8. Verify TDL filters are entered IAW OPTASK LINK.
10. Update the DASC 13.5 Land Platform and System status.
11. Monitor data link network performance.
12. Perform link coordination functions as required.
13. Supervise net exit to ensure it is IAW the OPTASK LINK.

Performance Standard. Complete the requirement items IAW the references.

Instructor. SI,WTI

Prerequisite. 2030, 2035

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. DASC Tactical Data System Administrators, External JREAP capable system. External JREAP capable system, Live/Virtual/Constructive Interface Coordination Cell, Live/Virtual/Constructive Forwarding JTIDS/MIDS Unit Generic.

Reference.

1. CJCSM 6120.01, Joint Multi TDL Operating Procedures
2. DASC SOP

3. U-DASC-PCL-5532, DASC Pocket Checklist
4. TO 3155-2TYQ123-8-1, JRE Users Guide
5. TM 12041A/12050A-OD/2, System User Manual for CAC2S

7.12.7 PROCEDURAL CONTROL (CTRL)

7.12.7.1 Purpose. To develop proficiency in procedurally controlling manned and unmanned aircraft.

7.12.7.2 General

Prerequisite. ACPM 8000, 8020, 8040

Admin Notes. Live or notional aircraft are acceptable.

Crew Requirement. A core skill proficient ASE or DASC crew.

CTRL-4200	4.0	*	B	L/S

Goal. Level 1 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC Helicopter Director or Tactical Air Director. The instructor shall first demonstrate the duties and responsibilities of the position. The trainee will then demonstrate the ability to:

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook

2. DASC Pocket Checklist

CTRL-4205 4.0 * B L/S

Goal. Level 2 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC Helicopter Director or Tactical Air Director to include the following at a minimum:

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

CTRL-4210 4.0 * B E L/S

Goal. Level 3 - Control FW or RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC Helicopter Director or Tactical Air Director to include the following at a minimum:

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

CTRL-4215	4.0	*	B	L/S

Goal. Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Given an operational DASC, begin in MOPP-0 and graduate to MOPP-IV over a four hour period. While increasing MOPP levels:

1. Conduct an HD or TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4210, 8000, 8020, 8040, 8062, 8063.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist
3. FM 11-1 NBC Operations

7.12.8 HELICOPTER DIRECTOR (HD)

7.12.8.1 Purpose. To develop proficiency in procedurally controlling manned and unmanned aircraft.

7.12.8.2 General

Admin Notes.

(1) Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Mission Skill proficient DASC Helicopter Director (HD).

(2) Live or notional aircraft are acceptable.

Prerequisite. ACPM 8000, 8020, and 8040 are required to be completed to be eligible for HD qualification

Crew Requirement. A core skill proficient ASE or DASC crew.

HD-4300	4.0	*	B	L/S

Goal. Level 1 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

HD-4305	4.0	*	B	L/S

Goal. Level 2 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, introduce IRC and conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

HD-4310	4.0	1095	B,R,M	L/S

Goal. Level 3 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

HD-4315	4.0	1460	B,R,M	E	L/S

Goal. Level 4 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD, to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

HD-4320	4.0	1095	B,R,M	E	L/S

Goal. Level 5 - Control RW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD, to include:

1. Conduct an HD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate HD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 4315, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

7.12.9 TACTICAL DIRECTOR (TAD)

7.12.9.1 Purpose. To develop proficiency in procedurally controlling

manned and unmanned aircraft.

7.12.9.2 General

Prerequisite. ACPM 8000, 8020, and 8040 are required to be eligible for TAD qualification; therefore highly recommend ACPM requirements be completed prior to completing this stage of training.

Admin Notes.

(1) Upon completion of this portion of the training syllabus the Air Support Operations Operator will have attained all skills required to be considered a Mission Skill proficient DASC Tactical Air Director (TAD).

(2) Live or notional aircraft are acceptable.

Crew Requirement. A core skill proficient ASE or DASC crew.

TAD-4350	4.0	*	B	E	L/S

Goal. Level 1 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC HD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

TAD-4355	4.0	*	B	E	L/S

Goal. Level 2 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, introduce IRC and conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

TAD-4360	4.0	1095	B,R,M	E	L/S

Goal. Level 3 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests

8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

TAD-4365	4.0	1460	B,R,M	E	L/S

Goal. Level 4 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

TAD-4370	4.0	1095	B,R,M	E	L/S

Goal. Level 5 - Control FW aircraft.

Requirement. Given a scenario, supporting documentation, an ASE or DASC, conduct the duties of a DASC TAD to include:

1. Conduct a TAD Crew Brief and Debrief
2. Provide a SALT Brief using correct R/T Procedures
3. Procedurally control the aircraft
4. Route the aircraft
5. Divert the aircraft
6. Maintain a complete and accurate TAD logbook
7. Pass and receive immediate requests
8. Demonstrate proper processing of all received information and routing and passing information within 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. This event should include the integration of fires with the use of FCSMs and ACMs in the DASC controlled airspace.

Instructor. SI,WTI

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 4365, 6220, 8000, 8020, 8040, 8062, 8063

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.5 DASC Handbook
2. DASC Pocket Checklist

7.12.10 Familiarization (FAM)

7.12.10.1 Purpose. To facilitate the understanding of DASC operations through the familiarization with and observation of agencies/ organizations external to the DASC involved in aviation operations.

7.12.10.2 General

Prerequisite. None.

Admin Notes. The familiarization events contained in this phase are intended to complement the ACPM MACCS (8000) and MAGTF (8060) stages. Tours will be under the guidance of a DASC SI or appropriate agency equivalent.

Crew Requirement. None.

FAM-4400 2.0 * B L

Goal. Observe the configuration and operation of a LAAD Battalion

Requirement. Tour the various configurations of the LAAD Bn at section, platoon and battery level.

Performance Standard. Complete a tour of a LAAD Bn

Instructor. SI,WTI

Prerequisite. 8006

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCRP 3-25.10_, LAAD Gunner's Handbook

FAM-4405 2.0 * B L

Goal. Observe the configuration and operation of a Marine Air Traffic Control Mobile Team (MMT).

Requirement. Tour an operational MMT.

Performance Standard. Complete a tour of an MMT

Instructor. SI,WTI

Prerequisite. 8005

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference.

1. MCWP 3-25.8

FAM-4410 2.0 * B L

Goal. Observe the configuration and operation of a Supporting Arms Coordination Center (SACC)

Requirement. Observe a SACC.

Performance Standard. Complete a tour of a SACC.

Instructor. SI,WTI

Prerequisite. 8001, 8062, 8063, 8065

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. JP 3-02, Amphibious Operations

FAM-4415 2.0 * B L

Goal. Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center (TACC/HDC)

Requirement. Observe an operational TACC/HDC.

Performance Standard. Complete a tour of a TACC/HDC.

Instructor. SI,WTI

Prerequisite. 8001, 8062, 8063, 8065

Ordnance Requirement. None

Range/Target Requirement. None

External Syllabus Support. None

Reference. JP 3-02, Amphibious Operations

7.12.11 Command and Control Systems (C2SYS)

7.12.11.1 Purpose. To develop proficiency in utilizing the command and control systems used in DASC operations.

7.12.11.2 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 DASC personnel position dependent:

EVENT CODE	EVENT NAME	POSITION
C2SYS-4923	Operate Command Post of the Future.	DCHF

C2SYS-4942	Operate Air Defense System Integrator	DCHF

Crew Requirement. None.

7.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

7.13.1 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.

7.13.2 General

7.13.2.1 Prerequisite.

7.13.2.2 Admin Notes.

a. The MACCS instructor concept is a means to standardize all instructors across the MACCS in regards to concepts of managing a WTPP, 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.aspx>

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
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.

7.13.2.3 Stages. The following stages are included in the Instructor Under

Training Phase of training.

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

7.13.3 INSTRUCTOR UNDER TRAINING (IUT)

7.13.3.1 Purpose. To train the individual Marine in the skills required to lead a period of instruction.

7.13.3.2 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

7.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000)

7.14.1 Purpose. This phase provides for community standardization of DASC 7242 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.

7.14.2 General

7.14.2.1 Prerequisite.

7.14.2.2 Admin Notes.

(1) The WTPP 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.

7.14.2.3 Stages. The following stages are included in this Phase of training.

PAR NO.	STAGE NAME

7.14.3	QUALIFICATIONS (QUAL)
7.14.4	DESIGNATIONS (DESG)
7.14.5	SCHOOL CODES (SCHL)
7.14.6	TRACKING CODES (LIC)
7.14.7	OPERATIONS CODES (OPS)

7.14.3 QUALIFICATIONS (QUAL) STAGE

7.14.3.1 Purpose. To qualify DASC Marines on their ability to perform as DASC 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.

7.14.3.2 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. None.

QUAL-6200	4.0	*	B	L

Goal. Qualify as Plotter.

Requirement. Complete the required training .

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2045, 2055, 2205, 2210, 2900, 2901, 2902, 2903, 2904, 2910, 2913, 2921, 3000, 3005, 3010, 3015, 3020, 8001, 8003.

QUAL-6205	4.0	*	B	L

Goal. Qualify as a TAR/HR Operator.

Requirement. Complete the required training in the TAR/HR POI.

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2045, 2100, 2250, 2900, 2901, 2902, 2911, 2940, 3050, 3055, 3060, 3065, 3070, 8000, 8001, 8003.

QUAL-6210	4.0	*	B	L

Goal. Qualify as a Tactical Air Command (TAC)/ Direct Air Support (DAS) Net Operator.

Requirement. Complete the required training in the TAC/DAS Net Operator POI.

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2045, 2055, 2060, 2100, 2210, 2300, 2900, 2901, 2902, 2905, 2909, 2910, 2911, 2940, 3100, 3105, 3110, 3115, 3120, 8001, 8002, 8003.

QUAL-6215	4.0	*	B	L

Goal. Qualify as Fire Support Coordination (FSC) Net Operator.

Requirement. Complete the required training in the FSC Net Operator POI.

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2045, 2055, 2100, 2350, 2355, 2920, 2940, 3150, 3155, 3160, 3165, 3170, 8001, 8002, 8003, 8062.

QUAL-6220	4.0	*	B	L

Goal. Qualify as an Air Support Net Operator (ASNO).

Requirement. Complete the required training in the ASNO POI.

Performance Standard. Proficiency demonstrated in prerequisites.
Be recommended by a WTI to the commanding officer who will
approve the qualification in writing.

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8062, 8063

QUAL-6225	2.0	1095	B,R,M	E	L

Goal. Qualify as a DASC Crew Chief.

Requirement.

1. A board will be convened with a minimum of three members:
 - a. (1) DASC SAD WTI
 - b. (1) DASC Chief
 - c. (1) DASC Crew Chief WTI
2. Board will present 20 questions from MAWTS-1/C3 department.
3. Board will ask the trainee only the 20 questions provided and shall not deviate from them.

Performance Standard. Given 20 random questions, with a mix of 10 factual knowledge questions and 10 questions that require explanation of processes, decision making or description.

1. Answer 8 of 10 factual questions correctly.
2. Answer 8 of 10 processes, decisional, and description questions satisfactorily.
3. Two of three board members must concur trainee met the requirement.

Upon successful completion of this event, the Board will forward the results via the WTTP to the commanding officer who will make the final determination on the qualification it in writing.

Instructor. Three Board members as defined in the requirements.

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063

Reference.

1. DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook

QUAL-6230 4.0 * B L

Goal. Qualification as a Helicopter Director (HD).

Requirement. Complete the required training in the HD POI.

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4300, 4305, 4310, 4315, 4320, 6220, 8000, 8020, 8062, 8063

QUAL-6235 4.0 * B L

Goal. Qualification as a Tactical Air Director (TAD).

Requirement. Complete the required training in the TAD POI.

Performance Standard. Proficiency demonstrated in prerequisites. Be recommended by a WTI to the commanding officer who will approve the qualification in writing.

Prerequisite. 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4350, 4355, 4360, 4365, 4370, 6220, 8000, 8020, 8062, 8063

7.14.4 Designations (DESG)

7.14.4.1 Purpose. To provide for the designation of combat leaders and instructors.

7.14.4.2 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-6300 0.5 * B

Goal. Designation as a DASC Chief (DCHF).

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

Prerequisite. 2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 3250, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063, 8080.

DESG-6320 0.5 * B

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.

Prerequisite. 5000, 5010, 5020

DESG-6321 0.5 * B

Goal. Designation as Senior Instructor (SI).

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

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320. Complete the M-SHARP formal training provided by the local INNOVASI support personnel.

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.

Prerequisite. SCHL-6000.

7.14.5 SCHOOL CODES (SCHL) STAGE

7.14.5.1 Purpose. To provide tracking codes for required schools and training.

7.14.5.2 General

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.

Admin Notes. The following table reflects skill enhancement training available to DASC Marines:

SCHL CODE	NAME OF COURSE	LOCATION	CID
SCHL-6000	Weapons and Tactics Instructor (WTI)	MCAS Yuma, AZ	M14P2A1
SCHL-6020	Link 16 Interoperability Course (JT-101)	Joint Knowledge Online (JKO)	A36L391
SCHL-6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	N/A
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

Crew Requirements. None.

7.14.6 TRACKING CODES (LIC) STAGE

7.14.6.1 Purpose. To provide tracking codes for required licenses and training.

7.14.6.2 General

Prerequisite. The individual licensing authority will maintain the prerequisites for each course that they offer.

Admin Notes. These codes serve to track licenses, participation in operations/deployments and completion of the Machine Gunners and RSO courses.

Crew Requirements. None.

LIC-6400 0.5 * B

Goal. Track HMMWV licenses.

Requirement. Track the M1123 and M1152 HMMWV licenses for ASOO required for DASC operations.

Performance Standard. Per the licensing course POI.

Prerequisite. Complete HMMWV training requirements for M1123 and M1152.

LIC-6405 0.5 * B

Goal. Track issuance of MK23 MTRV license.

Requirement. Complete MTRV training requirements for MK23

Performance Standard. Per the licensing course POI.

LIC-6410 0.5 * B

Goal. Track issuance of MK27 MTRV license.

Requirement. Complete MTRV training requirements for MK27.

Performance Standard. Per the licensing course POI.

LIC-6415 0.5 * B

Goal. Track explosive and corrosives HMMWV license.

Requirement. Complete explosive and corrosives HMMWV license training requirements.

Performance Standard. Per the licensing course POI.

7.14.7 OPERATIONS CODES (OPS) STAGE

7.14.7.1 Purpose. To provide tracking codes for operations and training.

7.14.7.2 General

Prerequisite. The training office will utilize the following codes to track operational training.

Admin Notes. These codes serve to track participation in operations/deployments and completion of the Machine Gunners and RSO courses.

Crew Requirements. None.

OPS-6455 0.5 * B

Goal. Track participation MEU deployments.

Requirement. Complete a MEU deployment as an ASNO or CC.

Performance Standard. Perform assigned duties while a participant of the deployment.

OPS-6460 0.5 * B

Goal. Track completed Machine Gunner's Course.

Requirement. Complete the Machine Gunners Course

Performance Standard. Per course POI.

OPS-6465 0.5 * B

Goal. Track completion of Range Safety Officers (RSO) courses.

Requirement. Complete the RSO course.

Performance Standard. Per course POI.

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)

7.15.4 CONDITION (COND) STAGE

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

7.15.4.2 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.

COND-7400 3.0 365 B,R,M ASLT/DASC E L/S

Goal. Employ an ASLT.

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 an ASLT to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASLT personnel
10. Conduct ASLT operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASLT operations supporting the DASC during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASLT Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. FSCC, air and fire support missions as defined by operational tempo level three, a DASC, S-1, S-2, S-3, S-4, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7405	3.0	365	B,R,M	ASE	E	L/S

Goal. Employ an ASE.

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 an ASE to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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 ASE personnel
10. Conduct ASE operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct ASE operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. A CMMR ASE Crew

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordnance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, air and fire support missions as defined by operational tempo three, FFCC/FSCC, and if required, a SACC and NTACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7410	3.0	365	B,R,M	E	L/S

Goal. Employ a DASC.

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 DASC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
4. Identify equipment requirements
5. Conduct a site survey
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. Emplace a DASC
11. Conduct DASC operations
12. Conduct crew evaluations
13. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct DASC operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Minimum of two CMMR DASC Crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, FFCC/FSCC, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7415	3.0	365	B,R,M	E	L/S

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

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 DASC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect DASC communication
3. Coordinate with the FSCC to provide DASC 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 DASC

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

Prerequisite.

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. None

External Syllabus Support. MASS Detachment Commander, DASC Chief, security team, Representatives from the following sections: S-4, S-2, S-6

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-16.3, TTP for the Field Artillery Cannon Battery
3. MCWP 3-25.5, DASC Handbook
4. Squadron SOP

COND-7420	3.0	365	B,R,M	DASC	E	L/S

Goal. Conduct Echelon Operations.

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, conduct echelon operations to include the following:

1. Continue DASC operations without pause or loss of situational awareness
2. Checklists for the transfer of control are on hand and are utilized
3. Deploy the echelon element to the new position
4. Brief the operational crew concerning their duties for passage of control
5. Establish and maintain DASC communications requirement
6. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
7. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place
8. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft is verified
9. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft is verified
10. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
12. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
13. Maintain continuous coordination with adjacent and higher agencies during preparation for and transfer of OAS/AS control, if required
14. Pass control of DASC functions to the echelon element

15. Notify the TACC, FSCC, and other agencies, as necessary, control has been passed
16. Recover the rear element into the DASC when echelon operations have concluded
17. Debrief with the DASC OIC and DASC Chief

Performance Standard. Perform the requirement items listed to conduct echelon operations during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. Two CMMR DASC crews

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, and if required, aircraft designated to provide an airborne DASC capability

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP

COND-7425	3.0	365	B,R,M	DASC	E	S/L

Goal. Conduct Phasing of Control Ashore.

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, conduct phasing of control ashore to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Checklists for the transfer of control ashore are on hand and utilized
3. Review the procedures delineated in the operation plan/other directives for the phasing of control ashore and keeps the Naval Tactical Air Control Center informed of current status
5. Deploy ashore
6. Brief the operational crew concerning their duties for the passage of control
7. Establish and maintain DASC specific communication requirements
8. Updated intelligence information, to include the friendly and enemy order of battle and current ATO is on hand and posted
9. Receive current status of air defense warnings, weapons conditions, anti-air warfare intelligence, and other pertinent data is updated prior to the transfer of control taking place

10. Receive current status of all fixed wing aircraft to include scheduled events, alert aircraft, and airborne aircraft
11. Receive current status of all helicopter and assault support aircraft to include scheduled events, alert aircraft, airborne aircraft, MEDEVAC aircraft, and SAR aircraft
12. Review status of all Tactical Air and Assault Support Requests and ensure they are plotted and on hand
13. Verify with the FSCC the locations of friendly artillery and active Fire Support Areas (FSAs), for naval gunfire assets
14. Ensure all requirements have been met and then advise the TACC (afloat) and FSCC that the DASC is prepared for the phasing of control of OAS/AS ashore
15. Ensure the preplanned sequence of phasing control of OAS/AS ashore is completed and the SAD acknowledges/produces any reports required
16. Advise CLF when ready to assume control of all or a portion of direct air support ashore (specify OAS, Assault Support, Air Recce, EW) at a specified date and time
17. Advise CLF that control has been transferred and the date/time group that transfer was accomplished
18. Advise the TACC (afloat)/TADC (ashore) and FSCC that the DASC now has control referencing date and time (local)
19. Maintain continuous coordination with adjacent and higher agencies
20. Notify all adjacent agencies when transfer of control is completed
21. As necessary, DASC/SACC liaison team provides further updates of information upon arrival at DASC site

Performance Standard. Perform the requirement items listed to conduct phasing control ashore during a minimum operational tempo three (3) real world operation or training simulation.

Prerequisite. ASE, DASC

Instructor. C3 WTI as designated or requested by the MASS Commander.

Ordinance Requirement. None

Range/Target Requirement. Range space capable of hosting ground and air fires

External Syllabus Support. S-1, S-2, S-3, S-4, S-6, MHE, air and fire support missions as defined by operational tempo three, digital backbone, Navy TACC, FSCC, Marine TACC, LFOC, SACC/HDC

Reference.

1. U-DASC-PCL-5532, DASC Pocket Checklist
2. MCWP 3-25.5, DASC Handbook
3. Squadron SOP
4. MCWP 3-16.3, Tactics, Techniques, and Procedures for the Field Artillery Cannon Battery, Chapter 2, Reconnaissance, Selection, and Occupation of a Position
5. JP 3-02.1 Joint Doctrine for Landing Forces Operations
6. MCWP 3-40.3 MAGTF Communications System

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	MACCS		1	3000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	3000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	3000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	3000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	3000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	3000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	3000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	3000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	3000 PHASE
ACPM	8020	ACE		1	3000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	3000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	3000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	3000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	3000 PHASE

ACPM	8026	ELECTRONIC WARFARE		4	3000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	3000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	3000 PHASE
ACPM	8040	THREAT		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	MAGTF		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	3001 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF		4	3002 PHASE
ACPM	8080	JOINT AIR OPERATIONS		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	

7.17 T&R ATTAIN AND MAINTAIN TABLES

DASC 7242 T&R SYLLABUS MATRIX											
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 the Joint Data Network	ACAD	2000	*	ACAD	2000					-	-
Describe the Multi Tactical Datalink Network (MTN)	ACAD	2005	*	ACAD	2005					2000	-
Describe track information displayed within the DASC	ACAD	2010	*	ACAD	2010					2000, 2005	-

Describe the Joint Range Extension Application Protocol (JREAP)	ACAD	2015	*	ACAD	2015					2000, 2005	-
Identify the elements of track data coordination	ACAD	2020	*	ACAD	2020					-	-
Describe Datalink Filters	ACAD	2025	*	ACAD	2025					2015	-
Identify positions in the Multi Tactical Datalink Network (MTN)	ACAD	2030	*	ACAD	2030					2005, 2015	-
Identify DASC specific parts of the OPTASK LINK message	ACAD	2035	*	ACAD	2035					2005, 2025, 2030	-
Define information related to TDL tracks	ACAD	2040	*	ACAD	2040					2000, 2005	-
Identify DASC crew positions	ACAD	2045	*	ACAD	2045					8003	-
Identify storage and handling of classified material	ACAD	2050	*	ACAD	2050					-	-
Identify Airspace Coordination Measures / Fire Support Coordination Measures	ACAD	2055	*	ACAD	2055					-	-
Identify weather reports and impacts of weather on aviation operations	ACAD	2060	*	ACAD	2060					-	-
Describe aviation ordnance	ACAD	2065	*	ACAD	2065					-	-
Perform Pacific Numeral Cypher Authentication	COMM	2100	*	COMM	2100					-	-
Utilize a man portable radio	COMM	2105	*	COMM	2105					-	-
Utilize the HF/VHF radio	COMM	2110	*	COMM	2110					-	-
Describe current man portable radios	COMM	2115	*	COMM	2115					-	-

Describe current HF/VHF radios	COMM	2120	*	COMM	2120					-	-
Describe data functions associated with HF/VHF radios	COMM	2125	*	COMM	2125					-	-
Identify communication problems	COMM	2130	*	COMM	2130					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Identify the characteristics, capabilities and limitations of the CS	EQUIP	2150	*	EQUIP	2150					2100, 2105, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Employ and maintain organic DASC shelter	EQUIP	2155	*	EQUIP	2155					-	-
Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS	EQUIP	2160	*	EQUIP	2160					-	-
Identify the characteristics, capabilities and limitations of the DASC MRC vehicles	EQUIP	2165	*	EQUIP	2165					2115, 2120	-
Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)	EQUIP	2170	*	EQUIP	2170					-	-
Perform coordination of track data	PLOT	2200	*	PLOT	2200					2020	-
Plot coordinates and symbols on a map	PLOT	2205	*	PLOT	2205					2045, 2055, 2900, 2901, 2902, 2903, 2904, 2913, 2921, 8001, 8003	-
Track and display information associated with the execution of the Air Tasking Order (ATO)	PLOT	2210	*	PLOT	2210					2045, 2900, 2901, 2902, 2910, 8001, 8003	-
Receive and process immediate air support requests	TRHR	2250	*	TRHR	2250					2045, 2100, 2900, 2901, 2902, 2911, 2940, 8000, 8003	-

Exchange information with the TACC/ACE	TCDS	2300	*	TACDAS	2300					2045, 2055, 2060 2100 2210, 2900, 2901, 2902, 2905, 2910, 2911, 2940, 8001, 8002, 8003	-
Exchange information with the FSCC/GCE	FSC	2350	*	FSC	2350					2045, 2055, 2110, 2920, 2940, 8001, 8002, 8003, 8062	-
Process fire missions	FSC	2355	*	FSC	2355					-	-
Maintain information on the DASC Tactical Display	ASNO	2400	*	ASNO	2400					2150	-
Conduct Direct Air Support Center (DASC) operations in a Chemical Biological Radiological Nuclear (CBRN) environment	ASNO	2405R	365	ASNO	2405R	ASNO	2405R	ASNO	2405R	2250, 2300, or 2350	-
Conduct DASC Crew Chief duties in a Chemical Biological Radiological Nuclear (CBRN) environment	CC	2450R	365	CC	2450R	CC	2450R	CC	2450R	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Extract critical information from supporting documents	CC	2455	*	CC	2455					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063, MarineNet Courses: Logistics Planning Considerations (0401AO) and Communications Plans and Orders (2540).	-
Perform DASC Crew Chief administrative functions	CC	2460	*	CC	2460					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Determine prioritization of communication links	CC	2465	*	CC	2465					2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Conduct the duties of a DASC Crew Chief during a passage of control	CC	2475R	1460	CC	2475R	CC	2475R	CC	2475R	2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Match available aviation assets with requests	CC	2480	*	CC	2480					2065, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-

Conduct DASC site selection/map survey	DC	2500	*	DC	2500					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Supervise emplacement of the DASC	DC	2505	*	DC	2505					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Determine DASC requirements	DC	2510	*	DC	2510					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Describe DASC displacement operations	DC	2515	*	DC	2515					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Describe Phasing Control Ashore	DC	2520	*	DC	2520					2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Create and supervise the conduct of a DASC Drill	DC	2525	*	DC	2525					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Develop and execute a load plan	DC	2530	*	DC	2530					2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-
Observe a Tactical Air Control Party (TACP)	FAM	2550	*	FAM	2550					8001, 8003, 8023	-
Observe a TACC COPS	FAM	2555	*	FAM	2555					8001, 8002, 8003	-
Observe VMU operations	FAM	2560	*	FAM	2560					8001, 8003, 8007	-

Observe a Fire Support Coordination Center (FSCC)	FAM	2565	*	FAM	2565					8001, 8003, 8062	-
Observe the TAOC	FAM	2570	*	FAM	2570					8001, 8003, 8004	-
Create and supervise the conduct of a DASC Drill	FAM	2575	*	FAM	2575					8001, 8003, 8005	-
Observe an Air Traffic Control Facility (ATCF)	FAM	2580	*	FAM	2580					8001, 8003, 8005	-
Set up profile on TBMCS client	C2SYS	2900R	1460	C2SYS	2900R	C2SYS	2900R	C2SYS	2900R	-	-
Access TBMCS Online Master Help Index	C2SYS	2901R	1460	C2SYS	2901R	C2SYS	2901R	C2SYS	2901R	2900	-
Utilize the TBMCS Alerts Service Web Applications	C2SYS	2902R	1460	C2SYS	2902R	C2SYS	2902R	C2SYS	2902R	2901	-
Use TBMCS Map Manager	C2SYS	2903R	1460	C2SYS	2903R	C2SYS	2903R	C2SYS	2903R	2902	-
Operate Web Mapping	C2SYS	2904R	1460	C2SYS	2904R	C2SYS	2904R	C2SYS	2904R	2902	-
Utilize the Air Tasking Order Airspace Control Order Tool (AATWEB)	C2SYS	2905R	1460	C2SYS	2905R	C2SYS	2905R	C2SYS	2905R	2902	-
Operate FSTAT	C2SYS	2909R	1460	C2SYS	2909R	C2SYS	2909R	C2SYS	2909R	2902	-
Use the Execution Status and Monitoring (ESTAT) tool	C2SYS	2910R	1460	C2SYS	2910R	C2SYS	2910R	C2SYS	2910R	2902	-
Operate WARP	C2SYS	2911R	1460	C2SYS	2911R	C2SYS	2911R	C2SYS	2911R	2902	-
Import an airspace group	C2SYS	2913R	1460	C2SYS	2913R	C2SYS	2913R	C2SYS	2913R	2902	-
Publish the ATO	C2SYS	2917R	1460	C2SYS	2917R	C2SYS	2917R	C2SYS	2917R	-	-
Operate AFATDS	C2SYS	2920R	1461	C2SYS	2920R	C2SYS	2920R	C2SYS	2920R	-	-
Operate C2 Personal Computer (C2PC)	C2SYS	2921R	1460	C2SYS	2921R	C2SYS	2921R	C2SYS	2921R	-	-
Set up and establish communications utilizing an IRC network	C2SYS	2940R	1460	C2SYS	2940R	C2SYS	2940R	C2SYS	2940R	-	-
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		
Level 1 - Perform as a DASC Plotter	PLOT	3000	*	PLOT	3000					2300, 2305	-

Level 2 - Perform as a DASC Plotter	PLOT	3005	*	PLOT	3005					2300, 2305, 3000	-
Level 3 - Perform as a DASC Plotter	PLOT	3010R	1095	PLOT	3010R	PLOT	3010R	PLOT	3010R	2300, 2305, 3000, 3005	-
Level 4- Perform as a DASC Plotter	PLOT	3015	*	PLOT	3015					2300, 2305, 3000, 3005, 3010	-
Level 5 - Perform as a DASC Plotter	PLOT	3020	1095	PLOT	3020			PLOT	3020	2300, 2305, 3000, 3005, 3010, 3015	-
Level 1 - Perform as a TAR/HR Net Operator	TRHR	3050	*	TRHR	3050					2250	-
Level 2 - Perform as a TAR/HR Net Operator	TRHR	3055	*	TRHR	3055					2250, 3050	-
Level 3 - Perform as a TAR/HR Net Operator	TRHR	3060R	1095	TRHR	3060R	TRHR	3060R	TRHR	3060R	2250, 3050, 3055	-
Level 4 - Perform as a TAR/HR Net Operator	TRHR	3065	*	TRHR	3065					2250, 3050, 3055, 3060	-
Level 5 - Perform as a TAR/HR Net Operator	TRHR	3070	1095	TRHR	3070			TRHR	3070	2250, 3050, 3055, 3060, 3065	-
Level 1 - Perform as a TAC/DAS Net Operator	TCDS	3100	*	TCDS	3100					2210, 2300	-
Level 2 - Perform as a TAC/DAS Net Operator	TCDS	3105	*	TCDS	3105					2210, 2300, 3100	-
Level 3 - Perform as a TAC/DAS Net Operator	TCDS	3110R	1095	TCDS	3110R	TCDS	3110R	TCDS	3110R	2210, 2300, 3100, 3105	-
Level 4 - Perform as a TAC/DAS Net Operator	TCDS	3115	*	TCDS	3115					2210, 2300, 3100, 3105, 3110	-
Level 5 - Perform as a TAC/DAS Net Operator	TCDS	3120	1095	TCDS	3120			TCDS	3120	2210, 2300, 3100, 3105, 3110, 3015	-
Level 1 - Perform as an FSC Net Operator	FSC	3150	*	FSC	3150					2350, 2355	-
Level 2 - Perform as an FSC Net Operator	FSC	3155	*	FSC	3155					2350, 2355, 3150	-
Level 3 - Perform as an FSC Net Operator	FSC	3160R	1095	FSC	3160R	FSC	3160R	FSC	3160R	2350, 2355, 3150, 3155	-
Level 4 - Perform as an FSC Net Operator	FSC	3165	*	FSC	3165					2350, 2355, 3150, 3155, 3160	-
Level 5 - Perform as an FSC Net Operator	FSC	3170	1095	FSC	3170			FSC	3170	2350, 2355, 2565, 3150, 3155, 3160, 3165	-

Level 1 - Perform as a DASC Crew Chief	CC	3200	*	CC	3200					2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-
Level 2 - Perform as a DASC Crew Chief	CC	3205	*	CC	3205					2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 6220, 8000, 8020, 8062, 8063	-
Level 3 - Perform as a DASC Crew Chief	CC	3210R	1095	CC	3210R	CC	3210R	CC	3210R	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 6220, 8000, 8020, 8062, 8063	-
Level 4 - Perform as a DASC Crew Chief	CC	3215	*	CC	3215					2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8062, 8063	-
Level 5 - Perform as a DASC Crew Chief	CC	3220R	1095	CC	3220R	CC	3220R	CC	3220R	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8040, 8060	-
Conduct the duties of a DASC Chief during a field deployment/exercise	DC	3250R	1095	DC	3250R	DC	3250R	DC	3250R	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063	-
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		
Define Link 16 / Tactical Datalink J (TDL-J)	ACAD	4000	*	ACAD	4000					2005	-
Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP	ACAD	4005	*	ACAD	4005					2005, 2010, 2035	-
Operate a Joint Range Extension Gateway	ASNO	4050	*	ASNO	4050					2015	-
Establish JREAP A	ASNO	4055	*	ASNO	4055					2015, 2100, 2115, 4050	-
Establish a Satellite J Link	ASNO	4060	*	ASNO	4060					2015, 2100, 2115, 4050	-
Establish JREAP B	ASNO	4065	*	ASNO	4065					2015, 4050	-
Establish JREAP C	ASNO	4070	*	ASNO	4070					2015, 4050	-

Perform as a plotter	PLOT	4100	*	PLOT	4100					2005, 2010, 2040	-
Supervise the coordination of Data Links	CC	4150	*	CC	4150					2030, 2035	-
Level 1 - Control FW or RW aircraft	CTRL	4200	*	CTRL	4200					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8040, 8062, 8063	-
Level 2 - Control FW or RW aircraft	CTRL	4205	*	CTRL	4205					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 8000, 8020, 8040, 8062, 8063	-
Level 3 - Control FW or RW aircraft	CTRL	4210	*	CTRL	4210					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 8000, 8020, 8040, 8062, 8063	-
Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment	CTRL	4215	*	CTRL	4215					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4210, 8000, 8020, 8040, 8062, 8063	-
Level 1 - Control RW aircraft	HD	4300	*	HD	4300					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 2 - Control RW aircraft	HD	4305	*	HD	4305					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 3 - Control RW aircraft	HD	4310R	1095	HD	4310R	HD	4310R	HD	4310R	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 4 - Control RW aircraft	HD	4315	1460	HD	4315			HD	4315	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 5 - Control RW aircraft	HD	4320	1095	HD	4320			HD	4320	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 4315, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 1 - Control FW aircraft	TAD	4350	*	TAD	4350					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063	-

Level 2 - Control FW aircraft	TAD	4355	*	TAD	4355					2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 3 - Control FW aircraft	TAD	4360R	1095	TAD	4360R	TAD	4360R	TAD	4360R	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 4 - Control FW aircraft	TAD	4365	1460	TAD	4365			TAD	4365	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 6220, 8000, 8020, 8040, 8062, 8063	-
Level 5 - Control FW aircraft	TAD	4370	1095	TAD	4370			TAD	4370	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 4365, 6220, 8000, 8020, 8040, 8062, 8063	-
Observe the configuration and operation of a LAAD Battalion	FAM	4400	*	FAM	4400					8006	
Observe the configuration and operation of a Marine Air Traffic Control Mobile Team (MMT)	FAM	4405	*	FAM	4405					8005	
Observe the configuration and operation of a Supporting Arms Coordination Center (SACC)	FAM	4410	*	FAM	4410					8001, 8062, 8063, 8065	
Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center (TACC/HDC)	FAM	4415	*	FAM	4415					8001, 8062, 8063, 8065	
Operate Command Post of the Future (CPoF)	C2SYS	4923R	1460	C2SYS	4923R	C2SYS	4923R	C2SYS	4923R	-	-
Operate Air Defense System Integrator	C2SYS	4942R	1460	C2SYS	4942R	C2SYS	4942R	C2SYS	4942R	-	-

7.18 T&R SYLLABUS MATRIX

DASC 7242 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)																			
AIRS	1100	Identify components of MAGTF Operations	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1102	Identify how the Marine Aircraft Wing supports the MAGTF	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1104	Identify Offensive Air Support (OAS)	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1106	Identify Assault Support Doctrine	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1108	Identify Aerial Reconnaissance	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1110	Describe Anti-Air Warfare (AAW)	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1112	Identify Electronic Warfare (EW)	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1114	Identify Control of Aircraft and Missiles	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1116	Identify threats to the MAGTF	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1118	React to threats affecting DASC Operations	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1120	Extract critical information from operations documents for the DASC	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1122	State the proper procedures for handling and storage of classified materials	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1124	Identify Air Support Communications Equipment	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1126	Identify the purpose of Common Aviation Command and Control System (CAC2S) components	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1128	Conduct communications utilizing CAC2S	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1130	Conduct Information Security during DASC operations	B	E	G	-	-	D	*		0		0		0	-	-	-	-

AIRS	1132	Plot direct air support information	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1134	Process immediate air support requests	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1136	Operate Tactical Display Framework (TDF)	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1138	Operate Joint Tactical Common Operational Picture Workstation (JTCW) Client	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1140	Exchange information with the TACC	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1142	Exchange information with the FSCC	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1144	Familiarize the operator on Theater Battle Management Core System (TBMCS) for direct air support operations	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1146	Operate the Effects Management Tool (EMT)	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1148	Define elements of information exchange within the MAGTF Communications System	B	E	G	-	-	D	*		0		0		0	-	-	-	-
AIRS	1150	Identify the components of the air picture	B	E	G	-	-	D	*		0		0		0	-	-	-	-
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										26	0	0	0	0	0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
CORE SKILL ACADEMICS (ACAD)																			
ACAD	2000	Describe the Joint Data Network	B	E	G	-	-	D	*		1		0		0	-	-	-	-
ACAD	2005	Describe the Multi Tactical Datalink Network (MTN)	B	E	G	-	-	D	*		1		0		0	2000	-	-	-
ACAD	2010	Describe track information displayed within the DASC	B	E	G	-	-	D	*		1		0		0	2000, 2005	-	-	-
ACAD	2015	Describe the Joint Range Extension Application Protocol (JREAP)	B	E	G	-	-	D	*		1		0		0	2000, 2005	-	-	-
ACAD	2020	Identify the elements of track data coordination	B	E	G	-	-	D	*		1		0		0	-	-	-	-
ACAD	2025	Describe Datalink Filters	B	E	G	-	-	D	*		1		0		0	2015	-	-	-
ACAD	2030	Identify positions in the Multi Tactical Datalink Network (MTN)	B	E	G	-	-	D	*		1		0		0	2005, 2015	-	-	-

ACAD	2035	Identify DASC specific parts of the OPTASK LINK message	B	E	G	-	-	D	*		1		0		0	2005, 2025, 2030	-	-	-	
ACAD	2040	Define information related to TDL tracks	B	E	G	-	-	D	*		1		0		0	2000, 2005	-	-	-	
ACAD	2045	Identify DASC crew positions	B	E	G	-	-	D	*		1		0		0	8003	-	-	-	
ACAD	2050	Identify storage and handling of classified material	B	E	G	-	-	D	*		1		0		0	-	-	-	-	
ACAD	2055	Identify Airspace Coordination Measures / Fire Support Coordination Measures	B	E	G	-	-	D	*		1		0		0	-	-	-	-	
ACAD	2060	Identify weather reports and impacts of weather on aviation operations	B	E	G	-	-	D	*		1		0		0	-	-	-	-	
ACAD	2065	Describe aviation ordnance	B	E	G	-	-	D	*		1		0		0	-	-	-	-	
TOTAL CORE SKILL ACADEMIC STAGE (ACAD)											14	14	0	0	0	0				
COMMUNICATIONS SKILLS (COMM)																				
COMM	2100	Perform Pacific Numeral Cypher Authentication	B	-	S	-	-	D	*		0		1		0	-	-	-	-	
COMM	2105	Utilize a man portable radio	B	-	L	-	-	D	*		0		0		1	-	-	-	-	
COMM	2110	Utilize the HF/VHF radio	B	-	L	-	-	D	*		0		0		1	-	-	-	-	
COMM	2115	Describe current man portable radios	B	-	L	-	-	D	*		0		0		1	-	-	-	-	
COMM	2120	Describe current HF/VHF radios	B	-	L	-	-	D	*		0		0		1	-	-	-	-	
COMM	2125	Describe data functions associated with HF/VHF radios	B	-	L	-	-	D	*		0		0		1	-	-	-	-	
COMM	2130	Identify communication problems	B	-	L	-	-	D	*		0		0		2	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-	
TOTAL COMMUNICATION SKILLS STAGE (COMM)											0	0	1	1	6	6				
EQUIPMENT (EQUIP)																				
EQUIP	2150	Identify the characteristics, capabilities and limitations of the CS	B	-	L	-	-	D	*		0		0		2	2100, 2105, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-	
EQUIP	2155	Employ and maintain organic DASC shelter	B	-	L	-	-	D	*		0		0		2	-	-	-	-	
EQUIP	2160	Identify the characteristics, capabilities and limitations of Motor Transport and Utilities (MT/UT) equipment associated with the MASS	B	-	L	-	-	D	*		0		0		1	-	-	-	-	

EQUIP	2165	Identify the characteristics, capabilities and limitations of the DASC MRC vehicles	B	-	L	-	-	D	*		0		0		1	2115, 2120	-	-	-
EQUIP	2170	Emplace and displace the Processing and Display System (PDS) Operations Facility (OPFAC)	B	-	L	-	-	D	*		0		0		2	-	-	-	-
TOTAL EQUIPMENT SKILLS STAGE (EQUIP)										0	0	0	0	5	6				
PLOTTING SKILLS (PLOT)																			
PLOT	2200	Perform coordination of track data	B	-	L	-	-	D	*		0		0		2	2020	-	-	-
PLOT	2205	Plot coordinates and symbols on a map	B	-	L	-	-	D	*		0		0		1	2045, 2055, 2900, 2901, 2902, 2903, 2904, 2913, 2921, 8001, 8003	-	-	-
PLOT	2210	Track and display information associated with the execution of the Air Tasking Order (ATO)	B	-	L	-	-	D	*		0		0		2	2045, 2900, 2901, 2902, 2910, 8001, 8003	-	-	-
TOTAL PLOTTING SKILLS STAGE (PLOT)										0	0	0	0	3	5				
TACTICAL AIR REQUEST/HELICOPTER REQUEST (TRHR)																			
TRHR	2250	Receive and process immediate air support requests	B	-	S	-	-	D	*		0		2		0	2045, 2100, 2900, 2901, 2902, 2911, 2940, 8000, 8003	-	-	-
TOTAL TACTICAL AIR REQUEST/HELICOPTER REQUEST SKILLS STAGE (TRHR)										0	0	1	2	0	0				
TACTICAL AIR COMMAND/DIRECT AIR SUPPORT (TACDAS)																			
TACDAS	2300	Exchange information with the TACC/ACE	B	-	S	-	-	D	*		0		2		0	2045, 2055, 2060 2100 2210, 2900, 2901, 2902, 2905, 2910, 2911, 2940, 8001, 8002, 8003	-	-	-
TOTAL TACTICAL AIR COMMAND/DIRECT AIR SUPPORT SKILLS STAGE (TACDAS)										0	0	1	2	0	0				
FIRE SUPPORT COORDINATION (FSC)																			
FSC	2350	Exchange information with the FSCC/GCE	B	-	S	-	-	D	*		0		2		0	2045, 2055, 2110, 2920, 2940, 8001, 8002, 8003, 8062	-	-	-
FSC	2355	Process fire missions	B	-	S	-	-	D	*		0		2		0	-	-	-	-
TOTAL FIRE SUPPORT COORDINATION SKILLS STAGE (FSC)										0	0	2	4	0	0				
AIR SUPPORT NET OPERATOR (ASNO)																			
ASNO	2400	Maintain information on the DASC Tactical Display	B	-	L	-	-	D	*		0		0		2	2150	-	-	-
ASNO	2405	Conduct Direct Air Support Center (DASC) operations in a Chemical Biological Radiological Nuclear (CBRN) environment	B,R,M	-	L	-	-	D	365		0		0		4	2250, 2300, or 2350	-	-	-
TOTAL AIR SUPPORT NET OPERATOR SKILLS STAGE (ASNO)										0	0	0	0	2	6				
CREW CHIEF (CC)																			

CC	2450	Conduct DASC Crew Chief duties in a Chemical Biological Radiological Nuclear (CBRN) environment	B,R,M	-	L	-	-	D	365		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	2455	Extract critical information from supporting documents	B	-	S	-	-	D	*		0		1		0	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063, MarineNet Courses: Logistics Planning Considerations (0401AO) and Communications Plans and Orders (2540).	-	-	-
CC	2460	Perform DASC Crew Chief administrative functions	B	-	L	-	-	D	*		0		0		1	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	2465	Determine prioritization of communication links	B	-	S	-	-	D	*		0		1		0	2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	2475	Conduct the duties of a DASC Crew Chief during a passage of control	B,R,M	-	L	-	-	D	1460		0		0		4	2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
CC	2480	Match available aviation assets with requests	B	-	L	-	-	D	*		0		0		1	2065, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 2480, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-
TOTAL CREW CHIEF SKILLS STAGE (CC)										0	0	2	2	4	10				
DASC CHIEF (DC)																			
DC	2500	Conduct DASC site selection/map survey	B	-	L	-	-	D	*		0		0		2	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-

DC	2505	Supervise emplacement of the DASC	B	-	L	-	-	D	*		0		0		1	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
DC	2510	Determine DASC requirements	B	-	L	-	-	D	*		0		0		2	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
DC	2515	Describe DASC displacement operations	B	-	S	-	-	D	*		0		2		0	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
DC	2520	Describe Phasing Control Ashore	B	-	S	-	-	D	*		0		1		0	2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
DC	2525	Create and supervise the conduct of a DASC Drill	B	-	S	-	-	D	*		0		80		0	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
DC	2530	Develop and execute a load plan	B	-	L	-	-	D	*		0		0		1	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
TOTAL DASC CHIEF SKILLS STAGE (DC)										0	0	3	83	4	5				

FAMILIARIZATION (FAM)																				
FAM	2550	Observe a Tactical Air Control Party (TACP)	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8023	-	-	-	
FAM	2555	Observe a TACC COPS	B	-	L	-	-	D	*		0		0		2	8001, 8002, 8003	-	-	-	
FAM	2560	Observe VMU operations	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8007	-	-	-	
FAM	2565	Observe a Fire Support Coordination Center (FSCC)	B	-	S	-	-	D	*		0		0		2	8001, 8003, 8062	-	-	-	
FAM	2570	Observe the TAOC	B	-	S	-	-	D	*		0		0		2	8001, 8003, 8004	-	-	-	
FAM	2575	Create and supervise the conduct of a DASC Drill	B	-	S	-	-	D	*		0		0		2	8001, 8003, 8005	-	-	-	
FAM	2580	Observe an Air Traffic Control Facility (ATCF)	B	-	L	-	-	D	*		0		0		2	8001, 8003, 8005	-	-	-	
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)											0	0	0	0	1	14				
COMMAND AND CONTROL SYSTEMS (C2SYS)																				
C2SYS	2900	Set up profile on TBMCS client	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	-	TBMCS	-	-
C2SYS	2901	Access TBMCS Online Master Help Index	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	2900	TBMCS	-	-
C2SYS	2902	Utilize the TBMCS Alerts Service Web Applications	B,R,M	-	G	-	-	CBT	D	1460		0		0		2	2901	TBMCS	-	-
C2SYS	2903	Use TBMCS Map Manager	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	2902	TBMCS	-	-
C2SYS	2904	Operate Web Mapping	B,R,M	-	G	-	-	CBT	D	1460		0		0			2902	TBMCS	-	-
C2SYS	2905	Utilize the Air Tasking Order Airspace Control Order Tool (AATWEB)	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	2902	TBMCS	-	-
C2SYS	2909	Operate FSTAT	B,R,M	-	G	-	-	CBT	D	1460		0		0		2	2902	TBMCS	-	-
C2SYS	2910	Use the Execution Status and Monitoring (ESTAT) tool	B,R,M	-	G	-	-	CBT	D	1460		0		0		2	2902	TBMCS	-	-
C2SYS	2911	Operate WARP	B,R,M	-	G	-	-	CBT	D	1460		0		0		4	2902	TBMCS	-	-
C2SYS	2913	Import an airspace group	B,R,M	-	G	-	-	CBT	D	1460		0		0		4	2902	TBMCS	-	-
C2SYS	2917	Publish the ATO	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	-	TBMCS	-	-
C2SYS	2920	Operate AFATDS	B,R,M	-	G	-	-	CBT	D	1461		0		0		4	-	AFATDS	-	-
C2SYS	2921	Operate C2 Personal Computer (C2PC)	B,R,M	-	G	-	-	CBT	D	1460		0		0		4	-	C2PC	-	-
C2SYS	2940	Set up and establish communications utilizing an IRC network	B,R,M	-	G	-	-	CBT	D	1460		0		0		1	-	PC	-	-
TOTAL COMMAND AND CONTROL SYSTEM SKILLS STAGE (C2SYS)											0	0	0	0	14	28				
TOTAL CORE SKILL PHASE (2000 PHASE)											17	17	14	98	39	79				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																				
PLOTING SKILLS (PLOT)																				
PLOT	3000	Level 1 - Perform as a DASC Plotter	B	-	L	-	-	D	*		0		0		4	2300, 2305	-	-	-	

PLOT	3005	Level 2 - Perform as a DASC Plotter	B	-	L	-	-	D	*		0		0		4	2300, 2305, 3000	-	-	-
PLOT	3010	Level 3 - Perform as a DASC Plotter	B,R,M	-	L	-	-	D	1095		0		0		4	2300, 2305, 3000, 3005	-	-	-
PLOT	3015	Level 4- Perform as a DASC Plotter	B	-	L	-	-	D	*		0		0		4	2300, 2305, 3000, 3005, 3010	-	-	-
PLOT	3020	Level 5 - Perform as a DASC Plotter	B,R,M	-	L	-	-	D	1095		0		0		4	2300, 2305, 3000, 3005, 3010, 3015	-	-	-
TOTAL PLOTTING SKILLS STAGE (PLOT)										0	0	0	0	5	20				
TACTICAL AIR REQUEST/HELICOPTER REQUEST SKILLS (TRHR)																			
TRHR	3050	Level 1 - Perform as a TAR/HR Net Operator	B	-	L	-	-	D	*		0		0		4	2250	-	-	-
TRHR	3055	Level 2 - Perform as a TAR/HR Net Operator	B	-	L	-	-	D	*		0		0		4	2250, 3050	-	-	-
TRHR	3060	Level 3 - Perform as a TAR/HR Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2250, 3050, 3055	-	-	-
TRHR	3065	Level 4 - Perform as a TAR/HR Net Operator	B	-	L	-	-	D	*		0		0		4	2250, 3050, 3055, 3060	-	-	-
TRHR	3070	Level 5 - Perform as a TAR/HR Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2250, 3050, 3055, 3060, 3065	-	-	-
TOTAL TACTICAL AIR REQUEST/HELICOPTER REQUEST SKILLS STAGE (TRHR)										0	0	0	0	5	20				
TACTICAL AIR COMMAND/DIRECT AIR SUPPORT SKILLS (TCDS)																			
TCDS	3100	Level 1 - Perform as a TAC/DAS Net Operator	B	-	L	-	-	D	*		0		0		4	2210, 2300	-	-	-
TCDS	3105	Level 2 - Perform as a TAC/DAS Net Operator	B	-	L	-	-	D	*		0		0		4	2210, 2300, 3100	-	-	-
TCDS	3110	Level 3 - Perform as a TAC/DAS Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2210, 2300, 3100, 3105	-	-	-
TCDS	3115	Level 4 - Perform as a TAC/DAS Net Operator	B	-	L	-	-	D	*		0		0		4	2210, 2300, 3100, 3105, 3110	-	-	-
TCDS	3120	Level 5 - Perform as a TAC/DAS Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2210, 2300, 3100, 3105, 3110, 3015	-	-	-
TOTAL TACTICAL AIR COMMAND/DIRECT AIR SUPPORT SKILLS STAGE (TCDS)										0	0	0	0	5	20				
FIRE SUPPORT COORDINATION SKILLS (FSC)																			
FSC	3150	Level 1 - Perform as an FSC Net Operator	B	-	L	-	-	D	*		0		0		4	2350, 2355	-	-	-
FSC	3155	Level 2 - Perform as an FSC Net Operator	B	-	L	-	-	D	*		0		0		4	2350, 2355, 3150	-	-	-
FSC	3160	Level 3 - Perform as an FSC Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2350, 2355, 3150, 3155	-	-	-
FSC	3165	Level 4 - Perform as an FSC Net Operator	B	-	L	-	-	D	*		0		0		4	2350, 2355, 3150, 3155, 3160	-	-	-

FSC	3170	Level 5 - Perform as an FSC Net Operator	B,R,M	-	L	-	-	D	1095		0		0		4	2350, 2355, 2565, 3150, 3155, 3160, 3165	-	-	-
TOTAL FIRE SUPPORT COORDINATION SKILLS STAGE (FSC)										0	0	0	0	5	20				
CREW CHIEF SKILLS (CC)																			
CC	3200	Level 1 - Perform as a DASC Crew Chief	B	-	L	-	-	D	*		0		0		4	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	3205	Level 2 - Perform as a DASC Crew Chief	B	-	L	-	-	D	*		0		0		4	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	3210	Level 3 - Perform as a DASC Crew Chief	B,R,M	-	L	-	-	D	1095		0		0		4	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	3215	Level 4 - Perform as a DASC Crew Chief	B	-	L	-	-	D	*		0		0		4	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8062, 8063	-	-	-
CC	3220	Level 5 - Perform as a DASC Crew Chief	B,R,M	-	L	-	-	D	1095		0		0		4	2050, 2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2455, 2460, 2465, 2480, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 6220, 8000, 8020, 8040, 8060	-	-	-
TOTAL CREW CHIEF SKILLS STAGE (CC)										0	0	0	0	5	20				
DASC CHIEF SKILLS (DC)																			
DC	3250	Conduct the duties of a DASC Chief during a field deployment/exercise	B,R,M	-	L	-	-	D	1095		0		0		8	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-
TOTAL CREW CHIEF SKILLS STAGE (CC)										0	0	0	0	1	8				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	0	0	26	108				

CORE PLUS SKILL TRAINING (4000 PHASE EVENTS)																			
ACADEMICS (ACAD)																			
ACAD	4000	Define Link 16 / Tactical Datalink J (TDL-J)	B	-	G	-	-	D	*		2		0		0	2005	-	-	-
ACAD	4005	Determine the information exchanges of the DASC for the Multi-TDL Network IAW Unit SOP	B	-	G	-	-	D	*		2		0		0	2005, 2010, 2035	-	-	-
TOTAL ACADEMIC SKILLS STAGE (ACAD)										2	3	0	0	0	0				
AIR SUPPORT NET OPERATOR (ASNO)																			
ASNO	4050	Operate a Joint Range Extension Gateway	B	-	S	-	-	D	*		4		0		0	2015	-	-	-
ASNO	4055	Establish JREAP A	B	-	S	-	-	D	*		1		0		0	2015, 2100, 2115, 4050	-	-	-
ASNO	4060	Establish a Satellite J Link	B	-	S	-	-	D	*		1		0		0	2015, 2100, 2115, 4050	-	-	-
ASNO	4065	Establish JREAP B	B	-	S	-	-	D	*		1		0		0	2015, 4050	-	-	-
ASNO	4070	Establish JREAP C	B	-	S	-	-	D	*		1		0		0	2015, 4050	-	-	-
TOTAL AIR SUPPORT NET OPERATOR SKILLS STAGE (ASNO)										5	8	0	0	0	0				
PLOTING SKILLS (PLOT)																			
PLOT	4100	Perform as a plotter	B	-	S	-	-	D	*		4		0		0	2005, 2010, 2040	-	-	-
TOTAL PLOTING SKILLS STAGE (PLOT)										1	4	0	0	0	0				
CREW CHIEF SKILLS (CC)																			
CC	4150	Supervise the coordination of Data Links	B	-	S	-	-	D	*		4		0		0	2030, 2035	-	-	-
TOTAL CREW CHIEF SKILLS STAGE (CC)										1	4	0	0	0	0				
PROCEDURAL CONTROL SKILLS (CTRL)																			
CTRL	4200	Level 1 - Control FW or RW aircraft	B	-	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8040, 8062, 8063	-	-	-
CTRL	4205	Level 2 - Control FW or RW aircraft	B	-	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 8000, 8020, 8040, 8062, 8063	-	-	-
CTRL	4210	Level 3 - Control FW or RW aircraft	B	E	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 8000, 8020, 8040, 8062, 8063	-	-	-

CTRL	4215	Conduct Tactical Air Director (TAD) or Helicopter Director (HD) duties in a Chemical Biological Radiological Nuclear (CBRN) environment	B	-	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2245, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4210, 8000, 8020, 8040, 8062, 8063	-	-	-
TOTAL PROCEDURAL CONTROL SKILLS STAGE (CTRL)										0	0	0	0	4	16				
HELICOPTER DIRECTOR SKILLS (HD)																			
HD	4300	Level 1 - Control RW aircraft	B	-	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
HD	4305	Level 2 - Control RW aircraft	B	-	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
HD	4310	Level 3 - Control RW aircraft	B,R,M	-	L	-	-	D	1095		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
HD	4315	Level 4 - Control RW aircraft	B,R,M	E	L	-	-	D	1460		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
HD	4320	Level 5 - Control RW aircraft	B,R,M	E	L	-	-	D	1095		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4300, 4305, 4310, 4315, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
TOTAL HELICOPTER DIRECTOR SKILLS STAGE (HD)										0	0	0	0	5	20				
TACTICAL DIRECTOR SKILLS (TAD)																			
TAD	4350	Level 1 - Control FW aircraft	B	E	L	-	-	D	*		0		0		4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-

TAD	4355	Level 2 - Control FW aircraft	B	E	L	-	-	D	*	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
TAD	4360	Level 3 - Control FW aircraft	B,R,M	E	L	-	-	D	1095	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
TAD	4365	Level 4 - Control FW aircraft	B,R,M	E	L	-	-	D	1460	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
TAD	4370	Level 5 - Control FW aircraft	B,R,M	E	L	-	-	D	1095	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4350, 4355, 4360, 4365, 6220, 8000, 8020, 8040, 8062, 8063	-	-	-
TOTAL TACTICAL DIRECTOR SKILLS STAGE (TAD)										0	0	0	0	5	20	
FAMILIARIZATION (FAM)																
FAM	4400	Observe the configuration and operation of a LAAD Battalion	B	-	L	-	-	D	*	0	0	2	8006			
FAM	4405	Observe the configuration and operation of a Marine Air Traffic Control Mobile Team (MMT)	B	-	L	-	-	D	*	0	0	2	8005			
FAM	4410	Observe the configuration and operation of a Supporting Arms Coordination Center (SACC)	B	-	L	-	-	D	*	0	0	2	8001, 8062, 8063, 8065			
FAM	4415	Observe the configuration and operation of a Navy Tactical Air Control Center/Helicopter Direction Center (TACC/HDC)	B	-	L	-	-	D	*	0	0	2	8001, 8062, 8063, 8065			
TOTAL FAMILIARIZATION SKILLS STAGE (FAM)										0	0	0	0	4	8	
COMMAND AND CONTROL SYSTEMS (C2SYS)																
C2SYS	4923	Operate Command Post of the Future (CPoF)	B,R,M	-	G	-	-	D	1460	4	0	0	-	CPoF	-	-
C2SYS	4942	Operate Air Defense System Integrator	B,R,M	-	G	-	-	D	1460	4	0	0	-	ADSI	-	-

TOTAL COMMAND AND CONTROL SYSTEMS SKILLS STAGE (C2SYS)										2	8	0	0	0	0				
TOTAL CORE PLUS SKILL PHASE (4000 PHASE)										11	27	0	0	18	64				
TOTAL 2000, 3000, AND 4000 PHASE										28	44	14	98	83	251				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1	Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R	-	G	-	-	D	365		0		0		2	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8				
TOTAL INSTRUCTOR UNDER TRIANING SKILLS PHASE (IUT)										0	0	0	0	7	13				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			
QUAL	6200	Qualify as Plotter	B	-	-	-	-	-	*		0		0		4	2045, 2055, 2205, 2210, 2900, 2901, 2902, 2903, 2904, 2910, 2913, 2921, 3000, 3005, 3010, 3015, 3020, 8001, 8003	-	-	-
QUAL	6205	Qualify as a TAR/HR Operator	B	-	-	-	-	-	*		0		0		4	2045, 2100, 2250, 2900, 2901, 2902, 2911, 2940, 3050, 3055, 3060, 3065, 3070, 8000, 8001, 8003	-	-	-
QUAL	6210	Qualify as a Tactical Air Command (TAC)/ Direct Air Support (DAS) Net Operator	B	-	-	-	-	-	*		0		0		4	2045, 2055, 2060, 2100, 2210, 2300, 2900, 2901, 2902, 2905, 2909, 2910, 2911, 2940, 3100, 3105, 3110, 3115, 3120, 8001, 8002, 8003	-	-	-
QUAL	6215	Qualify as Fire Support Coordination (FSC) Net Operator	B	-	-	-	-	-	*		0		0		4	2045, 2055, 2100, 2350, 2355, 2920, 2940, 3150, 3155, 3160, 3165, 3170, 8001, 8002, 8003, 8062	-	-	-

QUAL	6220	Qualify as an Air Support Net Operator (ASNO)	B	-	-	-	-	-	*	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 8000, 8020, 8062, 8063	-	-	-		
QUAL	6225	Qualify as a DASC Crew Chief	B	-	-	-	-	-	*	0	0	4	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 6220, 8000, 8020, 8040, 8060, 8062, 8063	-	-	-		
QUAL	6230	Qualification as a Helicopter Director (HD)	B	-	-	-	-	-	*	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4300, 4305, 4310, 4315, 4320, 6220, 8000, 8020, 8062, 8063	-	-	-		
QUAL	6235	Qualification as a Tactical Air Director (TAD)	B	-	-	-	-	-	*	0	0	4	2100, 2110, 2115, 2120, 2155, 2160, 2165, 2170, 2405, 2550, 2555, 2560, 2565, 3020, 3070, 3120, 3170, 4200, 4205, 4255, 4260, 4350, 4355, 4360, 4365, 4370, 6220, 8000, 8020, 8062, 8063	-	-	-		
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	8	32			
DESIGNATIONS (DESG)																		
DESG	6300	Designation as a DASC Chief (DCHF)	B	-	-	-	-	-	*	0	0	1	2050, 2065, 2100, 2110, 2115, 2120, 2130, 2150, 2155, 2160, 2165, 2170, 2405, 2450, 2455, 2460, 2465, 2475, 2480, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2550, 2555, 2560, 2565, 2909, 2940, 3020, 3070, 3120, 3170, 3200, 3205, 3210, 3215, 3220, 3250, 6220, 6225, 8000, 8020, 8040, 8060, 8062, 8063, 8080	-	-	-		
DESG	6320	Basic Instructor	B	-	-	-	-	-	*	0	0	1	5000, 5010, 5020	-	-	-		
DESG	6321	Senior Instructor	B	-	-	-	-	-	*	0	0	1	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320	-	-	-		
DESG	6322	Designation as a Weapons and Tactics Instructor (WTI)	B	-	-	-	-	-	*	0	0	1	6000	-	-	-		
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	4	2			
TRACKING CODES FOR SCHOOLS (SCHL)																		

SCHL	6000	Weapons and Tactics Instructor (WTI)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
SCHL	6020	Link 16 Interoperability Course (JT-101)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
SCHL	6021	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
SCHL	6023	Multi TDL Planner Course (JT-201)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
SCHL	6026	Joint Interface Control Officer (JICO) (JT-301)	-	-	-	-	-	-	-		0		0		0	-	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)											0	0	0	0	6	0				
TRACKING CODES FOR LICENSE (LIC)																				
LIC	6400	Track HMMWV licenses	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
LIC	6405	Track issuance of MK23 MTVR license	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
LIC	6410	Track issuance of MK27 MTVR license	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
LIC	6415	Track explosive and corrosives HMMWV license	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
TOTAL LICENSE CODES STAGE (LIC)											0	0	0	0	4	2				
TRACKING CODES FOR OPERATIONS (OPS)																				
OPS	6455	Track participation MEU deployments	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
OPS	6460	Track completed Machine Gunner's Course	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
OPS	6465	Track completion of Range Safety Officers (RSO) courses	B	-	-	-	-	-	*		0		0		1	-	-	-	-	
TOTAL OPERATIONS CODES STAGE (OPS)											0	0	0	0	4	2				
TOTAL REQUIREMENTS, QUALIFICATIONS, CERTIFCATIONS, AND DESIGNATIONS PHASE (RQCD)											0	0	0	0	26	37				

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7.19 ADDITIONAL MATRIX (ORDNANCE/RANGES) 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