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(T&R) MANUAL

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Encl: (1) TACC MAINTENANCE T&R MANUAL

1. <u>Purpose</u>. In accordance with the reference, to publish standards and regulations regarding the training of TACC crews.

2. Scope

- a. This is the first T&R Manual built for the 5939, 5974, 5979, and 5970 TACC Maintenance Military Occupational Specialties (MOS).
- b. Currently tracked and guided by the Individual Training Standards System Maintenance Management and Evaluation Program, the entire 5900 MOS field is in the process of transition to the Aviation Training and Readiness Program format.
- 3. <u>Information</u>. Recommended changes to this Manual are invited, and may 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 (MAGTF T&E) Standards Division, Aviation Training Division (ATD) using standard naval correspondence or the Automated Message Handling System plain language address: CG TECOM ATD.
- 4. Command. This Manual is applicable to the Marine Corps Total Force.
- 5. Certification. Reviewed and approved this date.

By direction

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CHAPTER 1

TACTICAL AIR COMMAND CENTER (TACC) 5900 MAINTENANCE TRAINING AND READINESS UNIT REQUIREMENTS

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CHAPTER 1

TACTICAL AIR COMMAND CENTER (TACC) 5900 MAINTENANCE TRAINING AND READINESS UNIT REOUIREMENTS

- 1.0 TACC 5900 MAINTENANCE UNIT TRAINING AND READINESS REQUIREMENTS. The Marine Aviation Training and Readiness (T&R) Program provides the Marine Air-Ground Task Force (MAGTF) commander with an Aviation Combat Element (ACE) capable of executing the six functions of Marine Aviation. The T&R Program is the fundamental tool used by commanders to construct, attain, and maintain effective training programs. The standards established in this program are validated by subject matter experts to maximize combat capabilities for assigned METs while conserving resources. 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 <u>MISSION</u>. Support the MAGTF commander by providing equipment, maintenance, and operations for the Tactical Air Command Center (TACC) of the Aviation Combat Element (ACE), as a component of the Marine Air-Ground Task Force (MAGTF). Equip, man, operate, and maintain the current operations section of the TACC. Provide and maintain a facility for the TACC future operations section, and install and maintain associated automated systems.
- 1.2 <u>TABLE OF ORGANIZATION</u>. Refer to T/O 8620 and 8620A managed by Total Force Structure Management System, MCCDC, for current authorized organizational structure and personnel strength. Information below depicts the maintenance TACC TO&E information as of the date of this directive.
- 1.2.1 Maintenance Core Capability. The TACC communication-electronics maintenance section provides the Marine Tactical Air Command Squadron (MTACS) the requisite networks, human systems interfaces and aviation communications systems planning, emplacement, external integration, and sustainment services necessary for close air support and procedural control of aircraft within the assigned airspace and weapons system integration and control within the MACCS. Core capable TACC communication-electronics maintenance sections are task organized to employ, sustain and restore aviation peculiar and ground common C2 and communications systems. Functions include systems deployment, emplacement and configuration, systems management, preventive and corrective maintenance, modifications and calibrations, maintenance administration and management, and operational planning. As configured below, the TACC communication-electronics maintenance section is capable of supporting 24-hour TACC operations.

MTACS 18, 28, 38, 48	
T/O 8620 & 8620A OFFICERS 1 (5970) ENLISTED 10 (5939) 22 (5974)	
CREW COMPOSITION	TOTALS
AVIATION COMMUNICATION SYSTEMS MAINTENANCE CHIEF	1
AVIATION COMMUNICATION SYSTEMS TECHNICIAN	2
AVIATION COMMUNICATION SYSTEMS REPAIRMAN	4
DATA SYSTEM MAINTENANCE OFFICER	1
TDS MAINTENANCE CHIEF	1
TACC MAINTENANCE CHIEF	1
SYSAD CHIEF	2
TDS ADVANCED TECHNICIAN	4
TDS BASIC ADMINISTRATOR	8

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. Shading indicates core plus skills.

	MTACS MAINTENANCE (MOS 5900)
ed et i	COREYMISSION/CORE PLUS SKILL ABBREVIATIONS
	CORE SKITIS (2000 Phase)
AFATD	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM
ADPE	AUTOMATED DATA PROCESSING EQUIPMENT
CD	COLLATERAL DUTIES
coc	COMBAT OPERATIONS CENTER
CDLS	COMMUNICATION DATA LINK SYSTEM
COMSEC	COMMUNICATION SECURITY
FAM	FAMILIARIZATION
ios	INTELLIGENCE OPERATION SERVER
LMSMT	LINK MANAGEMENT SYSTEM-MULTI TADIL
MMGT	MAINTENANCE MANAGEMENT
NET	NETWORK
OMGT	OPERATIONS MANAGEMENT
ORGS	ORGANIZATIONAL STRUCTURE
РМСМ	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE
SETUP	SET UP
SHEL	SHELTERS
SYSO	SYSTEM OVERVIEW
TMDE	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM
	MISSION SKILLS
TACCOPS	TACTICAL AIR COMMAND CENTER CURRENT OPERATIONS
TACCINF	TACTICAL AIR COMMAND CENTER INFRASTRUCTURE
	CORE PLUS
DASC	DIRECT AIR SUPPORT GENTER
TAOC	TACTICAL AIR OPERATIONS CENTER
ABNC2	AIRBORNE COMMAND AND CONTROL
CCD F	COMMON CONNECTIVITY DEVICE

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

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

		organisation (MTACS) (Exc. 1917) (1860) (1861) (1864) (1867)							
and Arcentations		MISSION ESSENTIAL TASK LIST (METL)							
MET	ABBREVIATION	MCT DESCRIPTION							
MCT 5.3.2.7	TACCOPS	CONDUCT TACTICAL AIR COMMAND CENTER (TACC) CURRENT OPERATIONS							
MCT 5.3.2.7.5	TACCINF	PROVIDE TACC INFRASTRUCTURE							

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

e ja jūga gadasta kas autikas ta statski ta ja kas kas ja	MTACS MAI	NTENANC	3-1	andan, A		nagilihira ngaping	Brooks gjastyk 🎚		
MISSION ESSENTIAL TASK LIST (METL)									
MET	ABBREVIATION	SIX FUNCTIONS OF MARINE AVIATION							
		OAS	ASPT	WAA	EW	CoA&M	AerRec		
MCT 5.3.2.7	TACCOPS	Х	Х	X		X			
MCT 5.3.2.7.5	TACCINF	Х	Х	Х		X			

1.7 MISSION ESSENTIAL TASKS (MET) OUTPUT STANDARDS. MCT output standards are based on 24-hour continuous contingency/combat operations.

		CORE MET OUTPUT STANDARDS	***************************************	
MET	ABBREVIATION	OUTPUT STANDARDS	CREW COMPOSITION	TOTAL NUMBER OF CREWS
MCT 5.3.2.7	TACCCOS	ABLE TO PROVIDE SUSTAINED OPERATIONS ABLE TO EXECUTE AND ASSESS THE CURRENT AIR TASKING ORDER ABLE TO MONITOR AND DIRECT SUBORDINATE MACCS AGENCIES IN THE EXECUTION OF THEIR TASKS ABLE TO MANAGE/DIRECT AIR ASSETS IN SUPPORT OF THE CLOSE, REAR AND DEEP BATTLE AREAS ABLE TO COORDINATE AIR OPERATIONS BETWEEN THE MACCS AND JOINT/COMBINED/COALITION/HOST NATION COMMAND AND CONTROL AGENCIES ABLE TO PLAN, DEVELOP, COORDINATE, AND DISSEMINATE AIRSPACE COORDINATING MEASURES IN SUPPORT OF MAGTF OPERATIONS ABLE TO COORDINATE THE RECOVERY OF ISOLATED PERSONNEL AND AIRCRAFT ABLE TO RECEIVE AND DISPLAY THE COMMON OPERATIONAL PICTURE ABLE TO PROMULGATE AND EXECUTE AIR OPERATIOINS PLANS AND ORDERS	(1) ACSAT (2) ACSBT (1) SYSAD (2) TDSAT (4) TDSBA	
MCT 5.3.2.7.5	TACCINF	ABLE TO PROVIDE EQUIPMENT AND FACILITIES FOR COPS, FOPS, FPLANS, AND ACI FOR THE ACE COMMANDER AND THE BATTLE STAFF TO PLAN, SUPERVISE, COORDINATE, AND EXECUTE MAGTF AIR OPERATIONS ABLE TO ESTABLISH VOICE AND DATA CONNECTIVITY WITH SUBORDINATE MACCS AGENCIES AND HIGHER HEADQUARTERS, JOINT, AND COALITION FORCES	(1) DSMO (1) TDSMC - (1) ACSMC (1) TACCMC	1

1.8 MET TO CORE/MISSION/CORE PLUS SKILL MATRIX.

		-						MTA	CS MZ	AINTE	NANC	E (M	os 59	900)								
			M:	issio	N ES	SENT	IAL '	TASK	(MET) TO	CORE	E/MIS	SION	/cori	E PLU	s sk	ILL	MATR.	ĽΧ			
										E SKI										MISS SKI 30 PHA	LLS 0 0	core ibisus 4000 «Phase
MET	AFATD	BACK	CD	coc	CDLS	COMSEC	FAM	IOS	IMSMI	TOMM	NET	OMGI	ORGS	PMCM	SETUP	SHEL	OSXS	TMDE	TBMCS	TACCOPS	TACCINE	pasc pasc gen
MCT 5.3.2.7	X	х	х	х	х	x	х	х	Х	x	х	X	х	х	х	х	Х	х	х	х		X X X X
MCT 5.3.2.7.5	X	х	х	х	х	Х	Х	х	х	х	х	х	Х	х	х	х	х	х	Х		х	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.

MTACS MAINTENANCE (MOS 5970/5939/5974)											
CORE SKILLS (2000 Phase)											
CORE SKILLS	ACSBT 5939	ACSAT 5939	ACSCC 5939	ACSMC 5939	TDSABT 5974	TDSAAT 5974	TDSAC 5974	TACCMC 5974	DSMO 5970	O TOTAL CHMR CREWS	
AFATD	0	٥	0	0	9	0	0	0	0	2	
ADPE	0	0	0	0	9)	0	0	0	0	2	
CD	2	2	Ò	0	6	7	0	0	0	2	
сос	0	0	0	0	9	0	0	0	0	2	
CDLS	0	0	0	0	9)	0	0	0	0	2	
COMSEC	2	2	0	۰.0	2	2	0	0	0	2	
FAM	1	2	0	0	3	7	0	0	0	2	
201	0	0	0	0	9	0	0	0	0	2	
LMSMT	0	0	0	0	9	0	0	0	0	2	
MMGT	4	1	0	0	9	4	0	1	1	2	
NET	0	0	0	0	9	0	0	0	0	2	
OMGT	4	1	1	1	0	4	0	0	1	2	
ORGS	1	2	O.	0	3	7	0	0	0	2	
PMCM	2	2	0.	0.	6	7	0	0	0	2	
SETUP	2	2	0	0	· 6	7	0	0	0	2	
SHEL	2	2	0	0	6	7	0	0	0	2	
SYSO	2	2	0	0	6.	7	0	0	0	2	
TMDE	2	2	0	0	6	7	0	0	0	2	
TBMCS	0	0	0	0	9	0	0	0	0	2	
	MISSION SKILLS (3000 Phase)										
TACCCOS	4	1	1	1	9	4	2	1	1	2	
TACCINF	4	1	1	1	9	4	2	1	1	2	
	THE VEHICLE DICE	lenu:	ca procedure yes	E SPECIAL MENT	(400	0 Ph	STATE STATE OF		9.7		
COD	Ю.	iU,	0	10	70	44	,2 <u>1</u>	0	0	:2	
DASC	1	14	ġ.	0.4	17.	11	(0)	40 ±	1	.1.1	
TADC	11.	11.1	Ġ.	₫Ó.	-1.,	.1.,	∌0 €	*0 ∌	-1.5	如水	
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1.10 <u>READINESS REPORTING</u>. 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 (DRSS--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)

MTACS MAINTENANCE (MOS 5900)			
INSTRUCTOR DESIGNATIONS	5970	5939	5974
BASIC INSTRUCTOR	0	.2	4
SENIOR INSTRUCTOR	0	_ 1	2
WEAPONS AND TACTICS INSTRUCTOR	1	0	0

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

MTACS M REQUIREN QUALIFICA	ENTS, CER	RTIFICATIO D DESIGNA)	ns, .
SRCQD	5970	5974	5939
ACSBT	0	0	4
ACSAT	0	0	1
ACSCC	0	0	2
C2SM_	0	2	0
WTF	0	2	0
TBSA	0	2	0
TDSBT	0	2	0
TDSAT	0	2	0
TDSACC	0	2	0
CC	MBAT LEAI	DERSHIP	
DSMO	1	0	0
TACCMC	0	1	0
ACSMC	0	0	1

CHAPTER 2

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

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CHAPTER 2

AVIATION COMMUNICATIONS SYSTEMS TECHNICIAN (ACST) / 5939 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

- 2.0 MOS 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, Mission, and Core Plus Skills. The goal of this chapter is to develop individual and unit war fighting capabilities.
- 2.1 $\underline{5939}$ TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the 5939 crewmember. Units should use the model as a point of departure to generate individual training plans.

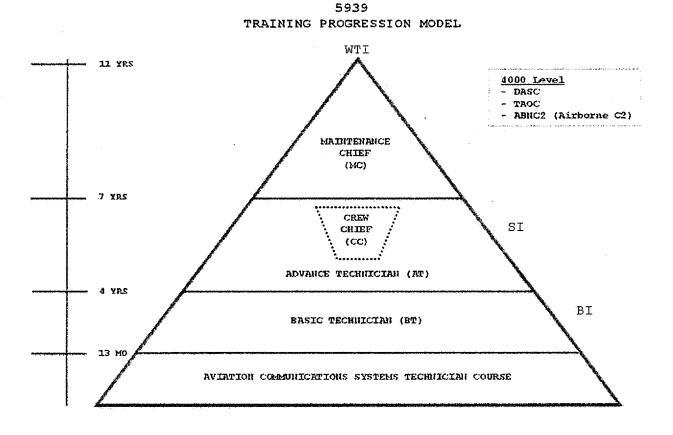


Figure 2-1. Aviation Communications Systems Technician (ACST) (MOS 5939)

Training Progression Model

2.2 ABBREVIATIONS

	MTACS MAINTENANCE MOS 5939			
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS				
CORE SKILL (2000 Phase)				
SYSO	SYSTEM OVERVIEW			
COMSEC	COMMUNICATION SECURITY			
TMDE	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT			
SETUP	SET UP			
РМСМ	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE			
CD	COLLATERAL DUTIES			
FAM	FAMILIARIZATION			
OMGT	OPERATIONS MANAGEMENT			
MMGT	MAINTENANCE MANAGEMENT			
ORGS	ORGANIZATIONAL STRUCTURE			
	MISSION SKILL (3000 Phase)			
TACCOPS	TACC OPERATIONS			
TACCINF	TACC INFRASTRUCTURE			
WELE.	sCOREPLUS (4000 Phase)			
DASC	DIRECTAIRSUPPORTCENTER			
TAOC	TACTICAL AIRIOPERATIONS CENTER			
ABNC2	AIRBORNE COMMAND AND CONTROL			
	INSTRUCTOR (5000 Phase)			
ВІ	BASIC INSTRUCTOR			
SI	SENIOR INSTRUCTOR			
WTI	WEAPONS AND TACTICS INSTRUCTOR			
CERTIFI	CATIONS, 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			

2.3 <u>DEFINITIONS</u>

TERM	DEFINITION			
Core Model	The Core Model is the basic foundation or standardized format by which ail 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

2.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

- 2.4.1 Management of individual CSP/MSP/CPSP/CPMP serves as the foundation for developing proficiency requirements in DRRS.
- 2.4.2 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.
- 2.4.3 Proficiency is attained by individual Core/Mission/Core Plus skill where the training events for each skill are determined by POI assignment.
- 2.4.4 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.

2.4.5 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.

MTACS MAINTENANCE MOS 5939

ATTAIN A	AND MAINTAIN		SION/CORE PLUS	5 PROFICIE	NCY MATRIX	
ATTAIN PROFICIENCY			MA	AINTAIN		
BASIC POI REFRESHER POI			PRO	FICIENCY		
	CORE SKILL (2000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE	
•	2000					
eveo.	2005R	CVCO	2005R	syso	2005R	
SYSO	2010R	SYSO	2010R	3130	2010R	
	2015					
	2100					
	2105					
	2110					
	2115					
	2120					
	2125					
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	2535				
	2540R		2540R		.2540R
	2545				
	∦2600R	·	2600R		2600R
	2605R	COMSEC	22605R	COMSEC	,2605R
COMSEC	-2610R		2610R		2610R
	2615R		2615R		2615R
	\$2620R		2620R		2620R
	2650				
	2655			FAM	
	2660				
	2665				
FAM	2670	FAM			
	2675				
	2680				
	2685				
	2690				
10.00	2700				
	2702				
	2704				
.	2706				
MMGT	_2708R	MMGT	2708R	MMGT	2708R
	2710R		2710R		27.10R
	^2712R		2712R		27 12 R
	,2714R		.2714R		.2714R

	2716R		2716R		2716R
	2718				
	2720				
	2722R		⊺2722 R	•	2722R
	2724R		.2724R		2724R
	2726				
	2728				
	2730R		.2730R		2730R
	2732R		2732R		. 2732R
	2734				
	2736				
ľ	2738				
	2740				
	2742				
	2744				
	2746				
	. 2748R		2748R		2748R
	2750R		2750R		2750R
	2752				
	2754				
	2756				
	2758				
	2800R		2800R		2800R
ľ	2802				
	2804				
	2806R		:2806R		2806R
	2830R		.2830R		2830R
	2832R ₀		2832R		_ 2832R
OMGT	2834	OMGT		OMGT	
OMG	2836	OMG		OMG	
	2838R		283 8 R		2838R
	.2840R		/2840R		2840R
	2842R		™ 2842R		2842R
	2844				
	2846				
	2848R		2848 R		2848R
	2900				
00.00	2905	OBCC		OBCC	
ORGS	2910	ORGS		ORGS	
	2915				
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	2920				1 1
	2925				
	2930				
	2935				
	2940				
	2945				
	2950R		2950R		2950R
	<u> Prient</u>				
			ILL (3000 Phase)		
STAGE	CODE	STAGE	CODE	STAGE	CODE 3000R
DEDI	3000R	n ent	3000R	DEDI	
DEPL	3005R	DEPL	:3005R	DEPL	3005R
	::/3010R		3010R		3010R
	3100				
MMGT	3105R	MMGT	3105R	MMGT	3105R
	3110				
	3200R	OMGT	3200R		3200R
	3202R		3202R	OMGT	3202R
	3204R		3204R		3204R
	3206R		.3206R		3206R
	3208R		: 2320 8 R : *≉		-13208R
OMGT	#3210R		3210R		3210R
	3212R 🗒		3212R		3212R
	3214R		- 3214R		3214R
	3216R		33216R		3216R
	3218R		3218R		-3218R
	. The main empeter that	CORE PILE	S (4000 Phase)		Medicina di Propositione (
STAGE	CODE		CODE	STAGE	CODE
DASC	CODE 4100R	DASC	4100R	STAGE DASC	4100R
	4200R		#4200R		4200R
TAOC	4205R	TAOC	4205R	TAOC	4205R
IACC	of this of the graph.	IAOC			25 (15 Jan 14 Jan 15 Ja
	4210R		4210R		#4210R
	4300R		4300R		4300R
	4305R		4305R		4305R
	4310R		4310R		4310R
ABNC2	-4315R	ABNC2	4315R	ABNC2	-4315R
	44320R		₹4320R		4320R
	4325R		/4325R		-4325R ∜
	4330R		4330R		4330R
	4335R		4335R		4335R

4340R 4345R	*4340R 	-4340R -4345R
4350R	4350R	4350R
4355R	#4355R	4355R
×4360R	4360R	4360R

2.5 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.

2.5.1 INSTRUCTOR DESIGNATIONS

MTACS MAINTENANCE MOS 5939 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		
WEAPONS AND TACTICS INSTRUCTOR (WTI)	SCH1-6000		

2.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

MTACS MAINTENANCE MOS 5939 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)				
RCQD	EVENTS			
ACSBT (QUAL 6100)	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2115, 2120, 2125, 2130, 2135, 2140, 2145, 2150, 2155, 2160, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2690, 2758, 3000, 3005, 3208, 3210, 3212			
ACSAT (QUAL 6105)	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, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2716, 2718, 2720, 2752, 2754, 2756, 2758, 2800, 2834, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 3000, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 6100, 8000			
BASIC INSTRUCTOR (DESG 6320)	5000, 5010, 5020			
SENIOR INSTRUCTOR (DESG 6321)	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320			
SAFETY CD (DESG 6500)	2500, 2525, 2530			
HAZMAT CD (DESG 6505)	2500, 2525, 2530			
PUB CD (DESG 6510)	2500, 2520			

TRAINING CD (DESG 6515)	2500
TOOLS CD (DESG 6520)	2500, 2515, 2545
CAL CD (DESG 6525)	2500, 2505, 2545
MOD CD (DESG 6530)	2500, 2510, 2545
EMBARK CD (DESG 6535)	2500, 2535, 2545
MIMMS CD (DESG 6540)	2500, 2540, 2545
QC CD (DESG 6545)	2500
ACSCC (DESG 6550)	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, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2716, 2718, 2720, 2752, 2754, 2756, 2758, 2800, 2802, 2804, 2806, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 3000, 3005, 3010, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 6100, 6105, 8000, 8020
ACSMC (DESG 6555)	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, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2716, 2718, 2720, 2722, 2724, 2726, 2728, 2730, 2732, 2734, 2736, 2738, 2742, 2744, 2746, 2748, 2750, 2752, 2754, 2756, 2758, 2800, 2802, 2804, 2806, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3000, 3005, 3010, 3100, 3105, 3110, 3202, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 6100, 8000, 8020, 8060, 8080

2.6 $\underline{5939}$ 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.

2.6.1 Basic POI

MTACS MAINTENANCE 5939 BASIC POI				
WEEKS1	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		

2.6.2 Refresher POI

MTACS MAINTENANCE MOS 5939 REFRESHER POI		
WEEKS ²	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.

2.7 SYLLABUS NOTES

2.7.1 Environmental Conditions Matrix

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

2.7.2 Device Matrix

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.
СВТ	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 tactic 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.

2.7.3 Program of Instruction Matrix

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

2.7.4 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.)

2.8 CORE SKILL INTRODUCTION PHASE (1000)

2.8.1 <u>Purpose</u>. 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.

2.8.2 General.

2.8.2.1 <u>Prerequisiste</u>. Meet the requirement delineated in the MOS Manual (MCBul 1200).

2.8.2.2 Admin Notes.

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

PAR NO. STAGE NAME:	
2.8.3	AVIATION COMMUNICATION SYSTEMS TECHNICIAN COURSE (ACST)

2.8.3 AVIATION COMMUNICATION SYSTEMS TECHNICIAN COURSE (ACST) STAGE

2.8.3.1 <u>Purpose</u>. 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 trainee is designated MOS 5939, Aviation Communication Systems Technician (ACST).

2.8.3.2 General

Prerequisite.

- (1) Graduate from the Basic Electronics Course (CID: M092721);
- (2) Graduate from the Radio Fundamentals Course (CID: M0927V1); and
- (3) Meet the 5939 requirements delineated in the MOS Manual.

Admin Notes. Aviation Communication Systems Technician Course (CID: M09E2Z1), MCCES, located in 29 Palms, CA. This program of instruction can be viewed at https://www.29palms.usmc.mil/tenants/mcces/mcceshome.asp.

Crew Requirements. NONE.

ACST-1000 8.5 (*)

B 1 AN/GRC-256

т.

Goal. Configure an AN/GRC-256 for operations.

Requirement. Given the references:

- 1. Select the statement that identifies a safety precaution.
- Select the statement that describes the following technical characteristics:
 - a. Transmit Frequency Range.
 - b. Receive Frequency Range.
 - c. Power Out in all modes of operation.
 - d. Receive sensitivity level in all modes of operation.
- 3. Select the statement that describes a function of the RT-9000 control/indicator.
- 4. Configure the RT-9000 for single channel mode of operation.
- 5. Configure the RT-9000 for multiple channel mode of operation.
- 6. Configure the RT-9000 for data link operations (TADIL A).
- 7. Select statement that describes a function of LPA 9500 Power Amplifier control/indicator.
- 8. Configure the LPA-9500 for operation.

<u>Performance Standard</u>. Pass a written and practical exam with 80% accuracy.

Reference

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

ACST-1005 13.5 (*)

B 1 AN/GRC-256

L

Goal. Perform corrective maintenance on the AN/GRC-256.

Requirement. Given the references:

- 1. Select the statement that describes the RT-9000 Receiver/ Transmitter theory of operation for a common section.
- 2. Select the statement that describes the RT-9000 Receiver/Transmitter Receiver Section theory of operation.
- 3. Select the statement that describes the RT-9000 Receiver/Transmitter Exciter Section theory of operation.
- 4. Select the statement that identifies a fault code displayed by the RT-9000 Built-in-Test.
- 5. Select the statement that identifies the RT-9000 fault.
- 6. Select the statement that describes the LPA-9500 Power Amplifier theory of operation.
- 7. Select the statement that identifies the LPA-9500 fault.
- 8. Perform the RT-9000 Built-in-Test procedures.
- 9. Isolate the fault to the LRU.

<u>Performance Standard</u>. Pass a written and practical exam with 80% accuracy.

Reference

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

ACST-1010 9.0 (*)

B 1 AN/GRC-256

L

Goal. Perform preventative maintenance on the AN/GRC-256.

Requirement. Given the references:

- 1. Perform the RT-9000 transmitter alignments.
- 2. Perform the RT-9000 receiver alignments.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

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

ACST-1015 12.0 (*)

B 1 AN/GRC-171B(V)4

L

<u>Goal</u>. Configure an AN/GRC-171B(v)4 for operations.

Requirement. Given the references, a list of AN/GRC-171B(V)4
test points/adjustments and a list of functions:

- 1. Select the statement that identifies an AN/GRC-171B(V)4 Radio Set physical characteristic.
- Select the statement that identifies an AN/GRC-171B(V)4 Radio Set technical characteristic.
 - a. Transmit Frequency Range.
 - b. Receive Frequency Range.
 - c. Power Out in all modes of operation.
 - d. Receive sensitivity level in all modes of operation.
- 3. Select the statement that describes an AN/GRC-171B(V)4 Radio

Set cabling requirement.

- 4. Select the statement that describes an AN/GRC-171B(V)4 Radio Set strapping option.
- 5. Select the statement that identifies a function of a RT 1272D/GRC-171B(V) 4 control/indicator.
- 6. Perform the RT-1272D/GRC-171B(V)4 single channel transmit operation procedures.
- 7. Match each test point/adjustment with its function.
- Select the statement that describes the purpose of Electronic Counter-Counter Measures.
- 9. Select the statement that describes the steps to configure the AN/GRC-171B(V)4 for anti-jam operations.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

- TM 09780A-13&P/1 W/CH 1-7
- 2. TM 2010-10/1

ACST-1020 73.0 (*)

B 1 AN/GRC-171B(V)4 L

Goal. Perform corrective maintenance on the AN/GRC-171B(V)4.

Requirement. Given the references:

- 1. Identify the purpose of a module within a functional section of the AN/GRC-171B(V)4 Radio Set.
- 2. Identify the failing LRU.
- Identify the RT-1272D/GRC-171B(V)4 ECCM (A1) module inputs/outputs.
- 4. Identify the AN/GRC-171B(V)4 Frequency Synthesizer (A2) module inputs/outputs.
- 5. Identify the RT-1272D/GRC-171B(V)4 Receiver (A3) module inputs/outputs.
- 6. Identify the RT-1272D/GRC-171B(V)4 Audio (A4) module inputs/outputs.
- Identify the RT-1272D/GRC 171B(V)4 Switching Regulator (A5). module inputs/outputs.
- Identify the RT-1272D/GRC-171B(V)4 RF Filter (A7) module inputs/outputs.
- 9. Identify the RT-1272D/GRC-171B(V)4 Power Amplifier (A8) module inputs/outputs.
- 10. Identify the RT-1272D/GRC 171B(V)4 Guard Receiver (A9) module inputs/outputs.
- 11. Identify the RT-1272D/GRC-171B(V)4 FM Modem and Control (A11) module inputs/outputs.
- 12. Identify the RT-1272D/GRC-171B(V)4 BIT (A13) module inputs/outputs.
- 13. Identify the function of a module within the RT-1272D/GRC 171B(V)4 Power Distribution subsystem.
- 14. Identify a function of a module within the RT-1272D/GRC 171B(V)4 Key/Mode Control block diagram.
- 15. Identify the cause of the failure in the Key/Mode Control signal path.
- 16. Identify the function of a module contained in the RT

1272D/GRC-171B(V)4 Control Processor signal path.

- 17. Identify the cause of the failure in the Control Processor signal path.
- 18. Identify the function of a module within the RT-1272D/GRC 171B(V4) Receive signal path.
- 19. Identify the cause of the failure in the Receive signal path.
- 20. Identify the function of a module contained in the RT 1272D/GRC-171B(V)4 Transmit signal path.
- 21. Identify the cause of failure in the Transmit signal path.
- 22. Identify the function of a module contained in the RT 1272D/GRC-171B(V)4 Built In Test circuit.
- 23. Identify the cause of failure in the Built In Test circuit.
- 24. Identify function of the RT 1272D/GRC-171B(V)4 (A10) chassis.
- 25. Identify the cause of failure on the AlO chassis.
- 26. Perform an operational performance check of AN/GRC 171B(V)4.
- 27. Isolate the faulty AN/GRC-171B(V)4 module.

Performance Standard. Pass a written and practical exam with 80% accuracy.

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

ACST-1025 14.0 (*) B 1 AN/GRC-171B(V)4 L

Goal. Identify the steps required to perform Semi-Annual Preventative Maintenance on the RT-1272D/GRC-171B(V)4.

Requirement. Given the references, describe the steps required to perform Semi-Annual Preventative Maintenance on the RT-1272D/GRC-171B(V)4.

Performance Standard. Pass a written exam with 80% accuracy.

Reference

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

ACSTC-1030 12.0 (*) B L

Goal. Set up antennas used in the Marine Air Command and Control System (MACCS).

Requirement. Given the references:

- 1. Define the terms associated with antennas used in the MACCS.
- 2. Identify antennas used in the MACCS.
- 3. Identify the procedures used to erect antennas in the MACCS.

Performance Standard. Pass a written exam with 80% accuracy.

Reference

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

ACST-1035 5.0 (*) B

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

Requirement. Given the references:

- 1. Identify the purpose of a MACCS.
- 2. Identify the organization of a MACCS.
- 3. Identify the mission of the units comprising a MACCS.

Performance Standard. Pass a written exam with 80% accuracy.

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

ACST-1040 10.0 (*)

B (1) DTD or (1) SKL \perp

Goal. Operate common fill devices.

Requirement. Given the references:

- 1. Describe a communications security safeguard.
- 2. Describe a cryptographic communication procedure.
- 3. Describe a Data Transfer Device (DTD) loading procedure.
- 4. Describe a Simple Key Loader (SKL)
- 5. Describe an operating condition of the Data Transfer Device.
- 6. Transfer cryptographic information from device to device.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

(*)

- 1. CMS Policy and Procedures for Navy EKMS Tiers 2 & 3 EKMS-1
- 2. Department Of The Navy Information And Personnel Security Program Regulation OPNAVINST 5510.1

ACST-1045 9.0

В

1 AN/VRC-103

Goal. Configure AN/VRC-103 for operations.

Requirement. Given the references:

- 1. Describe the characteristics of the AN/VRC-103.
 - a. Transmit frequency range.
 - b. Receive frequency range.

 - c. Power out in all modes of operation.d. Receive sensitivity level in all modes of operation.
- 2. Describe the components of the AN/VRC-103.
- 3. Describe the operation of the AN/VRC-103.
- 4. Describe the procedures to manually program the AN/VRC-103.
- 5. Manually program the AN/VRC-103.
- 6. Establish secure communications in a specified frequency range for the AN/VRC-103.

Performance Standard. Pass a written and practical exam with 80% accuracy.

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

ACST-1050 4.0 (*)

В

1 AN/VRC-103

Goal. Perform a limited technical inspection on the AN/VRC-103.

Requirement. Given the references, conduct the performance checks IAW PUB# 10515-0109-4300.

Performance Standard. Pass a written and practical exam with 80% accuracy.

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

ACST-1055 5.5 (*)

B 1 AN/VRC-104 L

Goal. Configure AN/VRC-104 for operations.

Requirement. Given the references:

- 1. Describe the characteristics of the AN/VRC-104.
- 2. Describe the components of the AN/VRC-104.
- 3. Describe the operation of the AN/VRC-104.
- 4. Describe the procedures to manually program the AN/VRC-104.
- 5. Manually program an AN/VRC-104.
- 6. Establish secure communications.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

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

ACST-1060 5.5 (*) B 1 AN/VRC-104

Goal. Perform a limited technical inspection on the AN/VRC-104.

Requirement. Given the references, conduct the performance checks in accordance with PUB# 10515-0103-4600.

Performance Standard. Pass a performance exam with 80% accuracy.

Reference

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

ACST-1065 49.0 (*) B (1) TDS L

<u>Goal</u>. Configure the Aviation Command and Control Systems data communications network equipment.

Requirement. Given references, tools, cable, network diagram,
router, subnet mask, and Windows system:

- 1. Identify the Transmission Control Protocol / Internet Protocol (TCP/IP).
- 2. Identify the function of a TCP/IP layer.
- 3. Define a network device.
- 4. Define a protocol.
- 5. Define a port.
- 6. Define a socket.
- 7. Identify a function of a protocol.
- 8. Identify a site diagram.
- 9. Identify the client/server network architecture.
- 10. Define the function of a type of server.
- 11. Define Local Area Network (LAN).
- 12. Define network topology.
- 13. Define a Wide Area Network (WAN).
- 14. Identify the purpose of a console cable.
- 15. Describe the function of a network cable.
- 16. Create a straight-through category 5e (CAT-5e) cable.
- 17. Create a crossover CAT-5e cable.
- 18. Identify the function of a Network Interface Card (NIC).
- 19. Identify the function of a switch.
- 20. Identify the purpose of a MAC address.
- 21. Identify the function of a switched Ethernet.
- 22. Identify an Internet Protocol Version 4 (IPV4) address.
- 23. Identify an IPV4 address class.
- 24. Identify an IPV4 private network.
- 25. Identify an IPV4 loopback address.
- 26. Identify an IPV4 network address.
- 27. Identify an IPV4 broadcast address.
- 28. Identify the purpose of routing.
- 29. Identify the function of a router.
- 30. Identify the function of a static route.
- 31. Identify the function of a dynamic route.
- 32. Identify the function of Enhanced Interior Gateway Routing Protocol (EIGRP).
- 33. Identify the function of Virtual Local Area Network (VLAN) routing.
- 34. Identify the purpose of subnetting.
- 35. Identify the purpose of a subnet mask.
- 36. Identify a subnet work address.
- 37. Identify the number of available networks.
- 38. Identify the number of hosts on the subnet.
- 39. Identify purpose of Classless Inter-Domain Routing (CIDR).
- 40. Identify the corresponding CIDR notation.
- 41. Identify purpose of Variable Length Subnet Masking (VLSM).
- 42. Define the Variable Length Subnet Masking (VLSM) rule.
- 43. Identify specified network information.
- 44. Define the Read Only Memory (ROM) monitor mode.
- 45. Identify the CISCO Internetwork Operating System (IOS).
- 46. Define the function of a configuration file.
- 47. Identify the purpose of an interface.

- 48. Define the local method to configure a router.
- 49. Describe a router mode.
- 50. Describe CISCO IOS command syntax.
- 51. Identify the function of a user exec mode command.
- 52. Identify the function of a privileged exec mode command.
- 53. Identify function of a global configuration mode command.
- 54. Identify the function of an interface configuration mode command.
- 55. Identify the function of a line configuration mode command.
- 56. Identify the function of a router configuration mode command.
- 57. Identify the remote method to configure a router.
- 58. Configure the router for operation.
- 59. Identify the function of Windows Network properties snap-in.
- 60. Identify the steps to edit Windows system identification.
- 61. Identify the function of Dynamic Host Configuration Protocol (DHCP).
- 62. Identify the steps to configure Dynamic Host Configuration Protocol (DHCP).
- 63. Identify the function of a Windows networking command.
- 64. Change the system identification.
- 65. Configure the system for DHCP operation.

<u>Performance Standard</u>. Pass a written and practical exam with 80% accuracy.

Reference

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

ACST-1070 20.5 (*) B (1) CDS L

<u>Goal</u>. Configure the Communications Distribution System (CDS) for operation.

Requirement. Given the references:

- 1. Identify the components of the CDS.
- 2. Match each control/indicator with its purpose.
- 3. Identify the purpose of a Stand Alone CDS component.
- 4. Define the operational theory of the CDS.
- 5. Identify the types of shelters that have the CDS installed.
- 6. Identify the procedures for using the FCSW software to program the CDS.
- 7. Identify the procedures for configuring the User Control Device (UCD) serial port for FCT connection.
- 8. Identify the purpose of the CDS software LAN Management menu.
- 9. Define the operation of the CDS Intercom Subsystem.

- 10. Define the operation of the CDS Radio Subsystem.
- 11. Define the operation of the CDS Internal Telephone.
- 12. Perform setup procedures for the CDS.
- 13. Use the FCSW software to configure the CDS as specified.
- 14. Use the UCD to configure the CDS as specified.

<u>Performance Standard</u>. Pass a written and practical exam with 80% accuracy.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

ACST-1075 45.0 (*) B 1 CDS

 $\underline{\text{Goal}}$. Perform corrective maintenance on the Communications Distribution System (CDS).

Requirement. Given the references:

- 1. Identify the purpose of each Network Access Unit internal circuit card assembly.
- 2. Identify the purpose of each User Control Device internal circuit card assembly.
- 3. Identify Network Access Unit failure.
- 4. Identify User Control Device failure.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS)
 AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

ACST-1080 21.5 (*) B 1 AN/MRQ-12 L

Goal. Configure the AN/MRQ-12 for operation.

Requirement. Given the references:

- 1. Identify the characteristics of the AN/MRQ-12.
- 2. Identify the components of the AN/MRQ-12.
- 3. Identify the function of the AN/MRQ-12 controls/indicators.
- 4. Identify the appropriate antenna(s) for the AN/MRQ-12 radio

subsystems.

- 5. Define the operation of the AN/MRQ-12 radio subsystem.
- 6. Identify transportation requirements for the AN/MRQ-12.
- 7. Identify the set-up procedure for the AN/MRQ-12.
- 8. Connect source power to the AN/MRQ-12.
- Connect antenna cabling associated with the AN/MRQ-12 radio subsystems.
- 10. Identify preventive maintenance procedures of the AN/MRQ-12.
- 11. Power up the AN/MRQ-12.
- 12. Configure the AN/MRQ-12 radios for specified operation.

Performance Standard. Pass a written and practical exam with 80% accuracy.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS)
 AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

ACST-1085 45.0 (*) B 1 AN/MRQ-12 I

Goal. Perform corrective maintenance on the AN/MRQ-12.

Requirement. Given the references:

- 1. Identify components of AN/MRQ-12 Power Distribution System.
- 2. Identify the AN/MRQ-12 AC Power subsystem power failure.
- 3. Identify the AN/MRQ-12 DC Power subsystem power failure.
- 4. Identify the AN/MRQ-12 Radio subsystem failure.

<u>Performance Standard</u>. Pass a written and practical exam with 80% accuracy.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS)
 AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

2.9 CORE SKILL TRAINING (2000)

2.9.1 <u>Purpose</u>. 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.

2.9.2 General.

2.9.2.1 Prerequisiste.

- (1) <u>Aviation Communications Systems Basic Technician (ACSBT)</u>. Core Skill Introduction training must be completed prior to beginning ACSBT training.
- (2) <u>Aviation Communications Systems Advance Technician (ACSAT)</u>. Must be qualified as an ASCBT prior to beginning ACSAT training.
- (3) <u>Aviation Communications Systems Crew Chief (ACSCC)</u>. Must be qualified as an ACSAT prior to beginning ASCC training.
- (4) <u>Aviation Communications Systems Maintenance Chief (ACSMC)</u>. Must be qualified as an ACSAT prior to beginning ACSMC training.

2.9.2.2 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.
- 2.9.2.3 <u>Stages</u>. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
2.9.3	SYSTEM OVERVIEW (SYSO)

2.9.4	SET UP (SETUP)
2.9.5	TEST MEASUREMENT DIAGNOSTICS EQUIPMENT (TMDE)
2.9.6	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
2.9.7	COLLATERAL DUTIES (CD)
2.9.8	COMSEC (COMSEC)
2.9.9	FAMILIARIZATION (FAM)
2.9.10	MAINTENANCE MANAGEMENT (MMGT)
2.9.11	OPERATIONS MANAGEMENT (OMGT)
2.9.12	ORGANIZATIONAL STRUCTURE (ORGS)

2.9.3 SYSTEM OVERVIEW (SYSO) STAGE

2.9.3.1 <u>Purpose</u>. Provide an overview of the capabilities and limitations of unit communication systems.

2.9.3.2 General

Prerequisite. NONE.

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

Crew Requirements. NONE.

SYSO-2000 2.0 (*)

Goal. State HF, VHF and UHF frequency spectrums.

В

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

Reference. MCRP 3-40.3B

SYSO-2005 2.0 (1460) B,R

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

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

- 1. AN/VRC 103
 - a. Frequency range

- b. Power output
- c. Types of antennas
- 2. AN/VRC 104
 - a. Frequency range
 - b. Power output
 - c. Types of antennas
- 3. AN/VRC 110
 - , a. Frequency range
 - b. Power output
 - c. Types of antennas
- 4. AN/GRC 171B(V)4
 - a. Frequency range
 - b. Power output
 - c. Types of antennas
- 5. AN/VRC 102
 - a. Frequency range
 - b. Power output
 - c. Types of antennas
- 6. AN/VRC 90
 - a. Frequency range
 - b. Power output
 - c. Types of antennas
- 7. AN/GRC 256
 - a. Frequency range
 - b. Power output
 - c. Types of antennas

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

Instructor. BI, SI .

Reference

- 1. TM-09780A-13&P Radio Set AN/GRC-171B(V)4
- 2. TM 10822A-10/1 PRC-150(V)(C) Manpack Radio Operation Manual
- 3. TM 11255A-OR/1 AN/VRC-103(V)1 Vehicle Radio Communications
- 4. AN/PRC-152 Multiband Handheld Radio (AN/VRC-110) Publication Number: 10515-0283-4200
- 5. Radio Set AN/VRC-102 TM-

SYSO-2010 2.0 (1460)

B,R

L

Goal. Identify the characteristics of an AN/MRQ-12.

Requirement. Identify the characteristics of the AN/MRQ-12 as follows:

- 1. Radio assets
- 2. Mobility
- 3. Power requirements
- 4. Antenna pairing

<u>Performance Standard</u>. Without the aid of reference, pass an exam on the requirement items above with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2000, 2005

Reference. TM-10576C-OI/1A - Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions

SYSO-2015 1.5 (*) B

<u>Goal</u>. 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

<u>Performance Standard</u>. Without the aid of reference, pass an exam on the requirement items above with 100% accuracy.

Instructor. BI, SI

Reference

- 1. Tactical Quiet MEP-806A TM 0922A/09245A-24/2
- 2. Gen Set Tactical Ouiet 30KW
- 3. 50/60 MEP-805B TM 09249A/09246A-24/2
- 4. Tactical Quiet Gen Set 10KW MEP-803A

2.9.4 SETUP (SETUP) STAGE

2.9.4.1 <u>Purpose</u>. To teach trainee how to safely ground equipment, erect antennas and set up radio sets configured to interface within TACC communications systems.

2.9.4.2 General

Prerequisite. 2000, 2005, 2010, 2015.

Admin Notes. NONE.

Crew Requirements. NONE.

<u>SETUP-2100 3.0 (*) B (1) Ground Test Set L</u>

Goal. Utilize a ground test set.

Requirement. Given the reference, a ground test set and ground point and wire:

- 1. Connect the ground test set to the ground point and wire.
- 2. Measure the OHM value of the grounded wire.

<u>Performance Standard</u>. With the aid of reference, demonstrate the requirement items without error.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference. Applicable ground test set manual.

SETUP-2105 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.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor shall verify the grounding was successful.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference. TM 9406-15 Ground Procedures Manual

SETUP-2110 4.0 (*) B (1) AN/MRQ-12 L

Goal. Erect all ground based and vehicle mounted antennas.

Requirement. Given an AN/MRQ-12 and SL-3 complete antennas and PPE, assemble and erect the antennas.

<u>Performance Standard</u>. Without the aid of reference, assemble and erect ground based and vehicle mounted antennas to include the antenna for the CTN.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015

Reference. TM-10576C-OI/1A - Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions

SETUP-2115 4.0 (*)

В

(1) AN/MRQ-12

Goal. Install TACC specific radios in AN/MRQ-12.

Requirement. Given applicable radios and an AN/MRQ-12, install each radio listed below in the AN/MRO-12 and conduct a communications check for each:

- 1. AN/VRC 104
- 2. AN/VRC 103

Performance Standard. Without the aid of reference, install the radios and conduct a communications check. Instructor shall verify the communication check was successful.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference

- 1. RT-1694D(P)(C)/U (AN/VRC 104) TM 10822A-IN
- 2. AN/VRC-103(V)1 Veh Radio Comm TM 11255A-OR/1
- 3. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions

SETUP-2120 2.0 (*)

В

(1) AN/MRQ-12 L

Goal. Interface a radio external to the AN/MRQ-12.

Requirement. Given an AN/MRQ-12 and a stand-alone radio set, interface a radio external into the AN/MRQ-12 and conduct a communications check.

Performance Standard. Without the aid of reference, interface a radio external to the AN/MRQ-12 and conduct a communications check. Instructor shall verify the communication check was successful.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

SETUP-2125 2.0 (*) B (1) AN/MRQ-12 (1)CDS Suite

<u>Goal</u>. Install the Communications Distribution System (CDS) to the AN/MRO-12.

Requirement. Given a site layout and all associated equipment, setup and cable a CDS suite by performing the following steps:

- 1. Emplace User Control Devices (UCD) and headsets.
- 2. Emplace User Distribution Box (UDB).
- Interconnect UCD's, UDB's, and Network Access Units (NAU) or stand alone configuration.
- 4. Configure LAN in:
 - a. Ring (preferred configuration).
 - b. Chain.
- 5. Create Local Distribution Network (LDN) by interconnecting LAN with AN/MRQ-12(V)3 utilizing:
 - a. 50M Active Backshell Fiber Optic Cable Assembly (ABFOCA).
 - b. 1.5KM ABFOCA.
 - c. 50M copper.
- 6. Configure CDS with Facility Control Terminal (FCT)
- 7. Manipulate Net List with FCT

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. The Instructor shall observe the trainee conducting the requirement items and verify all functions of all UCDs are operational and the LAN/LDN links are verified on the FCT.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS)
 AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview

SETUP-2130 1.0 (1460) B,R (1) AN/VRC-103 L

Goal. Configure AN/VRC-103 for plain text (PT) operations.

 $\underline{\text{Requirement}}$. Given an AN/VRC-103 and a computer loaded with the Radio Programming Application

- 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.

<u>Performance Standard</u>. Without 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

Prereguisite. 2000, 2005, 2010, 2015, 2225

Reference

- 1. AN/PRC-117F Operation Manual
- 2. TM 10597A-OR/4

SETUP-2135 1.0' (1460) B,R (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.

<u>Performance Standard</u>. Without 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. 2000, 2005, 2010, 2015, 2225

Reference

- 1. AN/PRC-150 Operation Manual
- 2. TM 10822A-10/1

SETUP-2140 1.0 (1460) B,R 1 AN/GRC-171B(V)4 L

Goal. Configure AN/GRC-171B(V)4 for operations.

Requirement. Given an AN/GRC-171B(V)4:

- 1. Identify the characteristics of the AN/GRC-171B(V)4.
- 2. Identify the components of the AN/GRC-171B(V)4.
- 3. Identify the operation of the AN/GRC-171B(V)4.
- 4. Identify the procedures to program the AN/GRC-171B(V)4.

- 5. Identify the procedures to program the AN/GRC-171B(v)4 for HAVEOUICK.
- 6. Program an AN/GRC-171B(V)4.
- 7. Conduct a communications check.

Performance Standard. Without the aid of reference, complete the requirements items and conduct a communications check using a second radio set. Instructor will verify communications check was successful.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225

Reference. TM-09780A-13&P/1

SETUP-2145 1.0 (1460) B,R

1 AN/GRC-256 L

Goal. Configure AN/GRC-256 for operations.

Requirement. Given the AN/GRC-256:

- 1. Identify the characteristics of the AN/GRC-256.
- 2. Identify the components of the AN/GRC-256.
- 3. Identify the operation of the AN/GRC-256.
- 4. Identify the procedures to manually program the AN/GRC-256.
- 5. Manually program an AN/GRC-256.
- 6. Conduct a communications check.

Performance Standard. Without 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. 2000, 2005, 2010, 2015, 2225

Reference.

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

SETUP-2150 1.0 (1460) B, R 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. Without 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. 2000, 2005, 2010, 2015, 2225

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

SETUP-2155 2.0 (1460) B,R 1 AN/VRC-103

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

Requirement. Given the radios, references, 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.

<u>Performance Standard</u>. 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. 2000, 2005, 2010, 2015, 2225, 2130

Reference. TM 10597A-OR/4 PRC-117 Operation Manual

<u>SETUP-2160 1.0 (*) B (1) AN/VRC-103 (1) AV-2040-2 L</u>

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.

 $\underline{\underline{Performance Standard}}$. With the aid of reference, setup AV-2040-2 by completing the requirement items.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2225, 2130

Reference. TM 10597A-OR/4 - PRC-117 Operation Manual

SETUP-2165 2.0 (1460) B,R

1 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.
- Configure for HAVEQUICK.

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

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2130

Reference. TM 10597A-OR/4 - PRC-117 Operation Manual

SETUP-2170 2.0 (1460) B,R

1 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 twoway communications with another radio set. Completion of Aviation Communication Systems Managers Course meets this standard.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2015, 2135

Reference. TM 10822A-10/ AN/PRC-150(V)(C) Operational Manual

SETUP-2175 4.0 (*) B

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.

Prerequisite. 2000, 2005, 2010, 2015, MCI 2515

Reference

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

2.9.5 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

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

2.9.5.2 General

Prerequisite. Complete MCI 287A, Introduction to Test Equipment.

Admin Notes. NONE.

Crew Requirements. NONE.

TMDE-2200 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

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, VSWR chart, a radio and required antenna or dummy load:

- 1. State the purpose of the watt meter.
- 2. Verify calibration is current.
- 3. Select appropriate configuration.
- 4. Measure forward power.
- 5. Measure 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

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

2.0 (*) B (1) Oscilloscope (1) Signal Generator L TMDE-2210

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

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

Reference. Applicable OTDR Manual

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

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.

<u>Performance Standard</u>. With the aid of reference, demonstrate proper use of the ground tester and measure ground resistance in ohms.

Instructor. BI, SI

Reference. TM 9406-15

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

Goal. Utilize a frequency counter.

 $\underline{\text{Requirement}}$. 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.

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

Instructor. BI, SI

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 TACC 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.

<u>Performance Standard</u>. 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. 2600

Reference

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

 Operations Manual.
- 2. Applicable radio TMs

2.9.6 PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE

2.9.6.1 <u>Purpose</u>. To teach the trainee how to conduct basic preventive and corrective maintenance procedures.

2.9.6.2 General

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

Admin Notes. NONE.

Crew Requirements. NONE.

PMCM-2400 2.0 (*) B

Goal. Induct equipment into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, fill out the following 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).

<u>Performance Standard</u>. With the aid of reference, complete the above listed forms without error.

<u>Instructor</u>. BI, SI

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

Reference

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

PMCM-2405 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.
- 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Reference

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

PMCM-2410 1.5 (*)

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

Reference

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

PMCM-2415 4.0 (1460) B,R 1 AN/GRC 171B(V)4 L

Goal. Perform PMCS on AN/GRC 171B(V)4.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

- 1. Conduct PMCS on a AN/GRC 171B(V) 4 IAW the reference.
- 2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on AN/GRC 171B(V)4 and complete required administrative actions.

Instructor. BI, SI

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410

Reference

- 1. Radio Set AN/GRC-171B(V)4 TM-09780A-12/2
- 2. TM-09780A-13&P/1

PMCM-2420 2.0 (1460)

B, R___ 1 AN/VRC-104 __L

Goal. Perform PMCS on AN/VRC 104.

Requirement. Given the reference, 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410

Reference

- 1. AN/PRC-150 Operation Manual
- 2. TM 10822A-10/1

PMCM-2425 2.0 (1460) B, R 1 AN/VRC-103 L

Goal. Perform PMCS on AN/VRC 103.

Requirement. Given the reference, 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410

Reference. TM 10597A-OR/4 - AN/PRC-117F Operation Manual

2.0 (1460) B,R 1 AN/VRC-110 L PMCM-2430

Goal. Perform PMCS on the AN/VRC 110.

Requirement. Given the reference, 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410

Reference. AN/PRC-152 Operation Manual, Pub# 10515-0283-4200

PMCM-2435 1.0 (1460) B,R 1 AN/GRC-256 L

Goal. Perform PMCS on the AN/GRC-256.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

- 1. Conduct PMCS on the AN/GRC-256 IAW the reference.
- 2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on the AN/GRC-256 and complete administrative actions.

Instructor. BI, SI

Prerequisite. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410

Reference.

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

PMCM-2440 2.0 (1460)

B,R

1 AN/GRC-171 B(V) 4 L

Goal. Perform CM on an AN/GRC-171 B(V)4.

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

- 1. Conduct CM on the AN/GRC-171 B(V)4 and identify faulty components.
- 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/GRC-171 B(V)4, replace any faulty component(s), and complete required administrative actions.

Instructor. BI, SI

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

Reference.

- 1. Radio Set AN/GRC-171B(V) 4 TM-09780A-12/2
- 2. TM-09780A-13&P/1

- 3. TM-09780A-45&P/3-1
- 4. TM-09780A-45&P/3-2

PMCM-2445 2.0 (1460)

B,R 1 AN/VRC-104 L

Goal. Perform CM on AN/VRC-104.

Requirement. Given the reference, 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Reference

- 1. AN/PRC-150 Operation Manual
- 2. TM 10822A-10/1

PMCM-2450 2.0 (1460) B,R 1 AN/VRC-103

Goal. Perform CM on AN/VRC-103.

Requirement. Given the reference, 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Reference. TM 10597-OR/4- AN/PRC-117F Operation Manual

PMCM-2455 2.0 (1460) B,R 1 AN/VRC-110 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. 0N689740-(RT)
 - b. RF 300M-HV Vehicle Amplifier Adapter
 - c. Antenna
- 2. Replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Return to operational readiness condition.

Performance Standard. 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. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235

Reference. AN/PRC-152 Operation Manual

PMCM-2460 2.0 (1460)

B,R 1 AN/GRC 256

Goal. Perform CM on an AN/GRC 256.

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

- 1. Conduct CM on the AN/GRC 256 and identify faulty component in the AN/GRC 256 system.
- 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 AN/GRC 256, replace any faulty component(s), and complete required administrative actions.

Instructor. BI, SI

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

Reference.

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

PMCM-2465 3.0 (1460) B,R 1 AN/MRQ-12, 1 AN/VRC-103, 1 AV/VRC-104 L

Goal. Perform CM on the AN/MRQ-12 system.

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

- 1. Conduct CM on the AN/MRQ-12 and identify faulty system in the AN/MRO-12.
 - a. Power Distribution System
 - b. Communication Distribution System (CDS)
 - c. Radio Systems
 - (1) AN/VRC-103
 - (2) AN/VRC-104
- 2. Receive and replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Return to operational readiness condition.

<u>Performance Standard</u>. With the aid of reference, perform CM on <u>AN/MRQ 12</u>, replace any faulty component(s), and complete required administrative actions.

Instructor. BI, SI

<u>Prerequisite</u>. 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2445, 2450

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS)
 AN/MRO-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview
- 6. AN/PRC-117F Operation Manual, TM 10597A-OR/4
- 7. AN/PRC-150 Operation Manual, TM 10822A-10/1

2.9.7 COLLATERAL DUTIES (CD) STAGE

2.9.7.1 <u>Purpose</u>. To familiarize the trainee on the duties and responsibilities of each collateral duty in a maintenance shop.

2.9.7.2 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
- Modifications
- 3. Tool Control
- 4. Publications
- Safety/Hazardous Materials (HAZMAT)

- 6. Embarkation
- 7. Marine Integrated Maintenance Management Service (MIMMS)
- 8. Equipment Records
- 9. Quality Control

Crew Requirements. NONE.

CD-2500 8.0 (*)

В

Τ

Goal. State the maintenance Collateral Duties (CD).

Requirement. Receive an overview from each collateral duty holder, and at a minimum must be able to state the following:

- 1. Calibration CD
 - a. State the purpose of the TMDE program.
 - b. State the duty responsibilities.
- 2. Modification CD
 - a. State the purpose of the modification program.
 - b. State the duty responsibilities.
- 3. Tool Control CD
 - a. State the purpose of the tool control program.
 - b. State the duty responsibilities.
- 4. Publications CD
 - a. State the purpose of the publications program.
 - b. State the duty responsibilities.
- 5. Safety CD
 - a. State the purpose of the safety program.
 - b. State the duty responsibilities.
- 6. Hazmat CD
 - a. State the purpose of the HAZMAT program.
 - b. State the duty responsibilities.
- 7. Embarkation
 - a. State the purpose of the embarkation program.
 - b. State the duty responsibilities.
- 8. MIMMS
 - a. State the purpose of the MIMMS program.
 - b. State the duty responsibilities.
- 9. Records
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
 - 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.

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

 $\overline{\text{Instructor}}$. BI, SI either currently assigned to the CD being briefed or was last assigned to the CD within the last 12 months.

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-2505 1.0 (*)

В

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 or SI that is either currently assigned to the calibrations CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500, MCI 287A

Reference

- 1. MCO P4790.2
- 2. MMO SOP

CD-2510 2.0 (*) B

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 either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

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

CD-2515 2.0 (*)

В

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.

<u>Performance Standard</u>. 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. 2500

Reference

- 1. MMO SOP
- 2. MCO P4790.2

CD-25<u>20</u> 2.0 (*)

В

Ι

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.

<u>Performance Standard</u>. With the aid of reference, demonstrate the requirement items without error. Randomly select three publications, locate them and verify they are up to-date.

 $\underline{\text{Instructor}}.$ BI, SI either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. MCO 5210.11E
- 2. MCO P5125.17C

- 3. PLMS
- 4. MCO P4790.2
- 5. MMO SOP
- 6. Maintenance Publications Library Desktop

CD-2525 2.0 (*)

В

L

Goal. Identify major Maintenance Safety Program elements.

Requirement.

- 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.

<u>Performance Standard</u>. Without the aid of reference, pass a written exam on the requirements noted above with 80% accuracy.

<u>Instructor</u>. BI, SI either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference.

- 1. MCO 5100.29
- 2. MCO 4450.12_
- 3. MCO 5100.8
- 4. TM 07751B $\overline{\text{Series}}$
- 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-2530 2.0 (*)

В

L

 $\underline{\text{Goal}}$. 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.

<u>Performance Standard</u>. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error.

Instructor. BI, SI either currently assigned to the CD or was last
assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. Maintenance Safety SOP
- 2. MSDS binder
- 3. 29 CFR 1910.1200
- 4. MCO 4450-12
- 5. MCO P4790.2
- 6. OSHA Reference
- 7. Associated Desktop

CD-2535 3.0 (*)

В___

]

<u>Goal</u>. 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.
- Identify Heavy Equipment (HE) requirements needed for systems movement.

<u>Performance Standard</u>. With the aid of reference, identify the four key elements listed above without error.

Instructor. BI, SI either currently assigned to the CD or was last
assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. MCRP 4-11.3 Unit Embarkation Handbook
- 2. MCO P4790.2
- 3. Technical Manuals
- 4. Maintenance Embarkation Program Desktop

CD-2540 2.0 (365) B,R L

Goal. Complete MIMMS forms.

Requirement. Given the following blank forms and references state their purpose and completely fill in each one:

- 1. NAVMC 10245 Equipment Repair Order (ERO).
- 2. NAVMC 10925 Equipment Repair Order Shopping List (EROSL).
- 3. NAVMC 1018 Inspection/Repair Tag (IRT).

Performance Standard. With the aid of reference, state the purpose for each form. Complete each form without error. Completion of the MIMMS Clerk Course satisfies this standard.

Instructor. BI, SI

Prerequisite. 2500, MCI 0410

Reference

- 1. UM 4790.5
- 2. TM 4700-15/1
- 3. MCO P4790.2
- 4. MCBUL 3000
- 5. MCO P4400.16
- 6. Applicable Desktop

CD-2545 1.0 (*) B

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. 2500

Reference

1. MCO P4790.2

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

2.9.8 COMMUNICATION SECURITY (COMSEC) STAGE

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

2.9.8.2 General

Prerequisite. Complete MCI 2525B, Communications Security.

Admin Notes. NONE.

Crew Requirements. NONE.

COMSEC-2600 2.0 (365)

B, R

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.
- 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. Without the aid of reference, state the above requirement items without error.

Instructor. BI, SI

Prerequisite. MCI 2525

Reference

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

COMSEC-2605 2.0 (365) B, R_____

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.

NAVMC 3500.73 12 MAR 12

- 4. Triple Strand Concertina Wire.
- 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. MCI 2525, 2600

Reference. MCO P5530.14

COMSEC-2610 2.0 (365)

B, R

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. MCI 2525, 2600

Reference. EKMS-1A

COMSEC-2615 2.0 (365) B,R

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.
- 4. State the purpose of Guard Charts.

Performance Standard. With the aid of reference, state the purpose and identify the key information on the callout without error.

Instructor. BI, SI

Prerequisite. MCI 2525, 2600

Reference. EKMS-1A

COMSEC-2620 2.0 (365) B, R (1) SKL

Goal. Utilize Simple Key Loader (SKL) or Data Transfer Device (DTD).

Requirement. Given (2) loaded SKLs or DTDs and a zeroized cryptographic device:

- 1. Describe the purpose of SKL.
- 2. Define a SKL loading procedure.
- 3. Configure the SKL.
- 4. Identify SKL indicators and messages.
- 5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
- 6. Given two (2) Simple Key Loader (SKL) 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. MCI 2525, 2600, 2615

Reference. EKMS-1A

2.9.9 FAMILIARIZATION (FAM) STAGE

2.9.9.1 Purpose. To build the trainee'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.

2.9.9.2 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-2650 3.0 (*)

В

State the purpose and capability of Tactical Data Links.

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

- 1. TADIL A (Link 11A)
 - a. UHF
 - b. HF
- 2. TADIL B (Link 11B)
- 3. TADIL J (Link 16)
 - a. JREAP A
 - b. JREAP B
 - c. JREAP C
 - d. RF
- 4. ATDL-1
- 5. NATO Link 1
- 6. List the types of units that utilize each link.
- 7. Intelligence Broadcast System (IBS)
- 8. CST
- 9. Ground Based Data Link Enhanced (GBDLE)

Performance Standard. With the aid of reference, state the purpose and capability of each data link. Completion of the MACCS Maintenance Managers Course at MCCES satisfies the standard.

Instructor. BI, SI

Reference.

- 1. TM 10498B-OD TAOM Operations Maintenance Manual
- 2. TM I0200A-OI/1 ADCP Maintenance Manual
- 3. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

FAM-2655 2.0 (*)

В

Goal. Identify the TBMCS

Requirement. Given a locally developed site diagram, references, materials, and required equipment 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 noted in the site diagram without error. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Reference.

- 1. Site diagram
- 2. TBMCS SUMs

(*) FAM-2660 2.0

B,R (1) IOW

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. Without the aid of reference, identify the requirement items.

Instructor. BI, SI

Reference.

- 1. IOS/IOW User's Manual
- 2. SL-3-10848D
- 3. MarineNet C2PC Course Code C2P001

FAM-2665 2.0 (*) B (1) AFATDS

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. Without the aid of reference, identify the requirement items.

Instructor. BI, SI

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-2670 2.0 (*) B (1) IOS

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

Reference.

1. SL-3-10753C

2. IOS/IOW USER'S MANUAL

FAM-2675 2.0 (*) B (1) CDLS L

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

Requirement. Given a CDLS and references, complete the following:

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

<u>Performance Standard</u>. Without the aid of reference, identify all requirement items.

Instructor. BI, SI

Reference. TM 10987A-OI (CDLS manual)

FAM-2680 2.0 (*) 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. Identify the purpose of the COC.
- 2. Identify its functions.
- 3. Identify software.
- 4. Identify hardware components.

<u>Performance Standard</u>. Without the aid of reference, identify all the requirement. The event can be satisfied by completing the Tactical Data System Administrator Managers Course at MCCES.

<u>Instructor</u>. BI, SI

Reference. COC IETM

FAM-2685 2.0 (*) B (1) LMS-MT L

<u>Goal</u>. Identify the Link Management System - Multi Tactical Data Link (LMS-MT).

 $\underline{\text{Requirement}}$. Given an LMS-MT and references, complete the following:

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

<u>Performance Standard</u>. Without the aid of reference, identify all the requirement items.

Instructor. BI, SI

Reference. LMS User's Manual

FAM-2690 3.0 (*) B

T.

<u>Goal</u>. 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.

<u>Performance Standard</u>. With the aid of reference, pass a written examination with 80% accuracy.

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
- 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

2.9.10 MAINTENANCE MANAGEMENT (MMGT) STAGE

` 2.9.10.1 <u>Purpose</u>. To teach the trainee how to perform MACCS maintenance functions.

2.9.10.2 General

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

MMGT-2700 8.0 (*)

В

L

 $\underline{\text{Goal}}_{}.$ Demonstrate an understanding of the Total Force Structure Management System (TFSMS).

Requirement. Given access to TFSMS, complete the following:

- 1. View and interpret information on structure and equipment.
- 2. Create structure and equipment reports.
- 3. State the reason for submitting a Table of Organization and Equipment Change Request (T/OECR).

4. Demonstrate how to manipulate structure and equipment data using electronic TOECRs.

<u>Performance Standard</u>. Complete the Total Force Structure Management Systems (MC TFSMS) online training located on the TFMS website, https://tfsms.mccdc.usmc.mil.

<u>Instructor</u>. TFSMS Online

Prerequisite. Per course syllabus requirements.

Reference. URL https://tfsms.mccdc.usmc.mil

MMGT-2702 2.0 (*)

В

L

Goal. Identify the contents of a maintenance turnover binder.

Requirement. Given the reference, perform the following:

- 1. Outline the required contents of a turnover binder.
- 2. Review a turnover binder.

<u>Performance Standard</u>. Submit to the evaluator an outline that lists all required contents of a turnover binder. Review a turnover binder and ensure it is in compliance with the reference.

Instructor. BI, SI

Reference. MCO P4790.2

MMGT-2704 3.0 (*) B

L

<u>Goal</u>. 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.
- Provide supply with required documentation to remove from CMR.

<u>Performance Standard</u>. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions and the references.

Instructor. BI, SI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2405, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

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-2706 1.0 (*)

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. 2100, 2105, 2110, 2120, 2125, 2410, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

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

MMGT-2708 1.5 (1460)

B,R

Goal. Ensure tool control procedures are implemented.

Requirement. Given the applicable references:

- 1. Ensure inventories for all tool sets, chests, and kits are being conducted.
- 2. Ensure Special Tools allowances are maintained.
- 3. Ensure missing and unserviceable items are placed on order.
- 4. Ensure excess tools are properly disposed / documented.
- 5. Verify completion of PM's.
- 6. Annotate inventory control records without error.

Performance Standard. With the aid of reference, ensure tool control procedures are implemented by completing the requirement items. Instructor will validate the discrepancy report.

Instructor. BI, SI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2405, 2500, 2515, 2535, 2545, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCO P4400.150
- 2. MCO P4790.2

MMGT-2710 4.0 (365) B,R

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

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

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

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Minimal instructor assistance is allowed. Verbally identify errors on AIS reports provided and identify corrective actions to the instructor. Instructor will guide the student throughout this training evolution.

Instructor. BI, SI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2540, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212, MCI 0410B.MCI 0410C

Reference

- 1. MCO P4790.2
- 2. MCBUL 3000
- 3. NAVMC 10425
- 4. NAVMC 10925
- 5. UM 4790-5
- 6. MCO P4400.16
- 7. TM 4700.15/1
- 8. DLA Handbook
- 9. Unit MMSOP

2.0 (1460)

Goal. Describe the Repairable Issue Point process.

B,R

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

MMGT-2712

- 1. Define the purpose of the Repairable Issue Point process.
- 2. Define the purpose of Critical Low Density items.
- Identify the key components of the Repairable Issue Point process.
- 4. Identify the key documentation within each component of the Repairable Issue Point process.
- 5. Identify the Repairable Issue Point re-computation process.

<u>Performance Standard</u>. With the aid of references, define steps in the Repairable Issue Point 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. 2540

Reference

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

MMGT-2714 2.0 (1460)

B,R

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.

<u>Performance Standard</u>. Without 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. 2540

Reference

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

MMGT-2716 2.0 (1460) B,R

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)
- Research, Development, Test & Evaluation (RDT&E)
- Procurement, Marine Corps (PMC)
- 4. Military Construction (MILCON)

<u>Performance Standard</u>. With the aid of reference, define the requirement items.

Instructor. BI, SI

Reference

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

MMGT-2718 2.0 (*) B

L

Goal. Ensure new equipment is being inducted 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 record jacket 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.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. The instructor will validate that the process to induct equipment was demonstrated per the reference.

Instructor. BI, SI

Prerequisite. 2400, 2540, 2545

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-2720 2.0 (*)

В

Goal. Verify equipment is phased out.

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

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

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. The instructor will validate that the process to phase out equipment was demonstrated per the reference.

Instructor. BI, SI

Prerequisite. 2540, 2545, 2702

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-2722 2.0 (1460)

B,R

L

<u>Goal</u>. Ensure Quality Control (QC) procedures are being performed correctly for organic unit systems.

Requirement. Given the references and TACC equipment records, ensure QC procedures are being performed by:

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

<u>Performance Standard</u>. With the aid of reference, complete the requirement items and ensure QC procedures are being performed; and the discrepancy report is validated by the instructor.

Instructor. BI, SI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620, 2708, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3212, 3214, 3216

Reference

- 1. MCO P4790.2
- 2. MMO SOP

MMGT-2724 16.0 (1460)

B, R

L

Goal. Conduct an inspection of maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting three of the following functional areas.

- 1. State the purpose for inspecting functional areas.
- 2. List the functional areas in your section.
- 3. Schedule an inspection for three of the below listed areas selected by the instructor.
 - a. Calibration Control Program
 - b. Publication Control Program
 - c. Quality Control Program
 - d. Preventative Maintenance Program
 - e. Modification Control Program
 - f. Tool Control Program

- g. Marine Corps Integrated Maintenance Management System/ Automated Information System (MIMMS/AIS)
- h. Training Program
- i. Records
- j. Safety Program
- k. Corrosion Prevention and Control (CPAC)
- 4. Inform functional area managers of the inspection.
- 5. Conduct an inspection on the three selected areas.
- 6. Submit an executive summary at the conclusion of each of the three inspections.

Performance Standard. With the aid of reference, complete the requirement items; conduct an inspection of the three selected functional areas with minimal assistance.

Instructor. BI, SI

<u>Prerequisite</u>. 2500, 2520, 2708

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 $4450.1\overline{2}$
- 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-2726 16.0 (*)

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

Requirement. Given a scenario and applicable references:

В

- 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...
- 5. Identify compensation for T/O changes when possible.
- 6. Provide an explanation/reason for change request on the change request form in plain English.
- 7. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

<u>Performance Standard</u>. Per the course set standards. The standard can be satisfied by completing the TFSMS Super User Course - instructions on how to obtain MTT training is located on the TFMS website, https://tfsms.mccdc.usmc.mil With the aid of reference, complete the requirement items; instructor will ensure the NAVMC 11355 supports the scenario.

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

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620,2700, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3212, 3214, 3216

Instructor. TFSMS MTT or BI, SI

Reference

- 1. MCO 5311.1
- 2. Unit TO&E

MMGT-2728 2.0 (*)

L

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

Requirement. Given references and an urgent equipment requirement:

В

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

<u>Performance Standard</u>. With the aid of reference, state the MCUNP process and submit the Urgent UNS form to the instructor for final validation.

Instructor. BI, SI

Prerequisite. 2806

Reference

- 1. NAVMC 11475
- 2. MCO 3900.17

MMGT-2730 16.0 (1460)

B,R

<u>L</u>

Goal. Develop a maintenance section budget.

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

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

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Submit the funding request to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2714

Reference

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

MMGT-2732 40.0 (1460)

B,R

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

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

- 1. State the purpose of a CMR.
- 2. Review TE.
- 3. Conduct a CMR inventory.
 - a. Ensure SL-3 accountability for assumption and relief.
 - b. Determine Using Unit Responsibility (UURI)/Government Furnished Equipment (GFE) requirements.
 - c. Ensure equipment have record jackets.
 - d. Identify discrepancies, if any.
- 4. Write and submit a letter of discrepancy within specified time period.

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

Instructor. BI, SI

Prerequisite. 2540, 2702, 2716

Reference

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

2. CMR

3. MMO SOP

MMGT-2734 2.0 (*) B

Goal. Ensure publications are properly maintained.

Requirement. Given the references:

- 1. Check publications library for missing TMs.
- 2. Check publications library for missing Modification Instructions.
- 3. Check publications library for missing Technical Instructions.
- 4. Check publications library for missing Supply Instructions.
- 5. Check publications library to ensure publication changes have been incorporated.
- 6. Ensure the reconciliation process is being conducted between \$1/MMO and the Publications NCO.
- 7. Write and submit a report identifying discrepancies in the implementation of the procedures.

Performance Standard. With the aid of reference, ensure publications procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2520

Reference

- 1. MCO P5600.31
- 2. NAVMC 2761
- 3. Marine Corps Stock List SL-1-3/1-2
- 4. MCO P4790.2
- 5. AIRS Checklist 754
- 6. MMO SOP

MMGT-2736 1.0 (*)

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Goal. Ensure the maintenance safety control procedures are implemented.

Requirement. Given the references:

- 1. Verify that the safety procedures are implemented.
- 2. Verify that HAZMAT safety procedures are implemented and documented.
- 3. Write and submit a report identifying discrepancies in the implementation of the procedures.

Performance Standard. With the aid of reference, ensure the safety control procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2525

Reference

- 1. MCO 5100.29
- 2. MCO P4790.2
- 3. MMO SOP

MMGT-2738 1.0 (*)

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Goal. Ensure calibrations procedures are implemented

Requirement. Given the references:

- Verify accuracy of locally generated reports and Consolidated Memorandum Receipt (CMR)
- 2. Review reconciliation procedures
- 3. Review calibration scheduling of TMDE
- 4. Verify locally generated reports and equipment records reflect the proper calibration status.
- 5. Write and submit a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure calibrations procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2505

Reference

- 1. TM-4700-15/1
- 2. MCO 4790.1
- 3. MMO SOP
- 4. MCO 4790.2
- 5. AIRS Checklist 754

MMGT-2740 2.0 (*)

В

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<u>Goal</u>. Ensure the Marine Corps Integrated Maintenance Management System (MIMMS) is properly maintained.

Requirement. Given the references:

- 1. Review AIS Documentation.
- 2. Validate accuracy of reports.
- 3. Ensure reconciliation with MMO is being conducted.
- 4. Ensure reconciliation with supply is being conducted.
- 5. Ensure ERO parts are bin are maintained.
- 6. Review maintenance forms for accuracy.
- 7. Review MCGERR dead-lined equipment reports for accuracy.
- 8. Ensure proper use of maintenance forms and ground equipment records.

9. Write and submit a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure MIMMS CD is properly maintained by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2540

Reference

- 1. MCO P4700.2
- 2. MCO P4790.1B
- 3. TM-4700-15/1
- 4. MCBUL 3000
- 5. AIRS Checklist 754
- 6. MMO SOP

MMGT-2742 1.0 (*)

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<u>Goal</u>. Ensure classified and CCI material handling procedures are implemented.

Requirement. Given the references:

- 1. Verify classified material is stored in GSA approved container.
- 2. Verify proper and timely destruction of superseded segments.
- 3. Verify SF-702s are properly completed.
- 4. Verify classified material is transported properly.
- 5. Write and submit a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure classified and CCI material handling procedures are being implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2600, 2605, 2610, 2615, 2620

Reference

- 1. EKMS-1A series
- 2. SECNAV M-5510.36_
- 3. MCO 5510.18

MMGT-2744 1.0 (*)

L

<u>Goal</u>. Ensure Preventive Maintenance Checks and Services (PMCS) are being conducted on organic unit systems.

Requirement. Given the references:

- 1. State the purpose of PMCS and PM schedule
- 2. Ensure the "overarching" PM schedule data is accurate.

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- 3. Ensure the PM equipment schedule for each item is accurate.
- 4. Ensure completion of PM within the required time.
- 5. Proper documentation of PM on:

- a. Equipment repair order (ERO).
- b. PM schedule.
- Identify the Corrosion Prevention and Control (CPAC) program/procedures.
- 7. Write and submit a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure PMCS is being conducted on TAOC Air Defense Systems. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2410, 2415, 2420, 2425, 2430, 2435, 2540, 2545, 2704

Reference

- 1. MCO P11262.2
- 2. MCO P4790.2
- 3. Applicable TMs/UMs
- 4. AIRS Checklist 754
- 5. Unit MMO SOP

MMGT-2746 1.0 (*)

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Goal. Ensure equipment records for the unit PEIs are maintained.

Requirement. Given the references:

- 1. Review equipment record jackets.
- 2. Review equipment maintenance history.
- 3. Review equipment inventory.
- 4. Review modification history.
- 5. Review preventive maintenance history.
- 6. Write and submit a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure the equipment records are being maintained by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2545

Reference

- 1. TM-4700-15/1
- 2. MCO P11240.106
- 3. AIRS Checklist 754
- 4. MMO SOP
- 5. MCO P4790.2

MMGT-2748 4.0 (365)

B,R

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Goal. Prepare and present a command level brief

Requirement. Given an OPORD and commander's intent

- 1. Prepare a brief that contains at minimum the following:
 - a. State the OPORD mission
 - b. Maintenance implied tasks extracted from the OPORD
 - c. Develop and include the following:
 - (1) Accreditation Package
 - (2) TBMCS architecture
 - (3) TDL architecture
 - d. List equipment requirements to support mission
 - e. Define crew composition and management based on T&R CMMR
 - f. Define the maintenance training plan per T&R requirements
 - q. State the movement plan for deployment
 - h. Embarkation
 - i. Emplacement
 - j. Setup
 - k. Retrograde draft plan
 - 1. State maintenance sustainment plan
 - m. State supply support required
 - n. State logistical support required
 - o. Issues of concern
 - p. Way Ahead
- 2. Present the brief

<u>Performance Standard</u>. With the aid of reference, prepare the brief and present it in a confident and focused manner to the instructor and the maintenance officer. The instructor will ensure the brief contains the requirement items and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Reference

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

MMGT-2750 1.5 (1460)

B, R

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Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3 extract:

- 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 SL-3 inventory control procedures without error.

<u>Instructor</u>. BI, SI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2706, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCO P4400.150
- 2. MCO P4790.2_

MMGT-2752 2.0 (*) B

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

Requirement. Given the reference, complete the following:

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

Performance Standard. With the aid of reference, draft and submit to the instructor a correctly formatted UURI authorization letter that identifies required quantities of all UURI.

Instructor. BI, SI

Reference.

- 1. MCO P4790.2
- 2. Applicable end item SL-3
- 3. SecNavInst 5216.2
- 4. Unit MMSOP

MMGT-2754 2.0 (*) B

Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a secondary repairable item or a scenario, conduct the following:

- 1. State the purpose of the WIR.
- 2. State the criteria under which an item should be processed for WIR.
- 3. State the information required to submit a WIR request.
- 4. State the submission procedures for a WIR request.

Performance Standard. With the aid of reference, state the items in the requirement without error and IAW the reference.

Instructor. BI, SI

Reference

- 1. MCO P4790.2
- 2. UM-4400

MMGT-2756 2.0 (*) B

Goal. Submit a maintenance cycle time extension letter.

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

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

<u>Performance Standard</u>. With the aid of reference, submit to the evaluator a correctly formatted maintenance cycle time extension letter that provides justification to exceed maximum maintenance cycle time IAW the reference.

Instructor. BI, SI

Reference.

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

MMGT-2758 2.0 (*)

В

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

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

- 1. Purpose of the PQDR.
- 2. Criteria under which a PQDR should be submitted.
- 3. Information required to submit a PQDR.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items without error.

Instructor. BI, SI

Reference

- 1. MCO P4790.2
- 2. UM-4400
- 3. Unit MMSOP

2.9.11 OPERATIONS MANAGEMENT (OMGT) STAGE

2.9.11.1 <u>Purpose</u>. To teach the trainee how to deploy a communications maintenance section to include understanding OPORDs, crew management, system configuration management, and proper emplacement procedures.

2.9.11.2 General

Prerequisite. 6100.

Admin Notes. NONE.

Crew Requirements. NONE.

OMGT-2800 4.0 (365)

B,R

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<u>Goal</u>. 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. Without the aid of reference, pass a written exam with 80% accuracy and draw a radio connectivity diagram.

Instructor. SI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCWP 3-40.3

OMGT-2802 2.0 (*)

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 written exam with 80% accuracy. Completion of the MACCS Aviation Communication System Managers Course at MCCES satisfies the standard.

Instructor. BI, SI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCWP 5-1

OMGT-2804 2.0 (*) B

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.

<u>Performance Standard</u>. Without the aid of reference, describe the key components of an OPORD IAW the reference. This event can be satisfied by completing the MACCS Aviation Communication System Managers at MCCES.

Instructor. BI, SI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCWP 5-1

OMGT-2806 2.0 (365)

B, R

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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.

<u>Performance Standard</u>. 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. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference.

- 1. MCWP 3-25
- 2. TM 07736C-14/2-1,
- 3. TM 07751B-14/2,
- 4. SECNAVINST 5510.36,
- 5. EKMS-1

OMGT-2830 4.0 (1460) B,R

Goal. Conduct a site survey

 $\frac{\text{Requirement}}{\text{Model}}$. 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 TAW 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

<u>Prerequisite</u>. 2005, 2010, 2015, 2110, 2160, 2170, 2806, 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCDP 6
- 2. MCWP 3-25.4
- 3. MCWP 5-1
- 4. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions
- 3. CDC DOC 762324 Network Access Unit Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 4. CDC DOC 762325 User Control Device Equipment Description, Maintenance Instructions, and Illustrated Parts List.
- 5. CDC DOC 762326A Communication Distribution System (CDS) System Description and Overview
- 9. IEEE C95.1-1991
- 10. NAVSHIPS 0967-317-7010

- 11. TM 9406-15
- 12. DODINST 6055.11
- 13. BUMED 6470.23
- 14. OPNAVINST 5100.23 Series
- 15. NAVSEA OP 3565 / NAVAIR 16-1-529 / NAVELEX 0967-LP-624-6010 / Volume II
- 16. Navy Safety Center
- 17. MCO 5100.29A W/CH 1
- 18. MCO 5104.2
- 19. MCO 5104.3A

OMGT-2832 2.0 (365) B,R

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. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference.

- 1. This T&R Manual.
- 2. MCWP 3-25

OMGT-2834 3.0 (*) B

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.
- 3. Identify Intelligence Information, Command and Control Equipment and Enhancement (ICE2) requirements.
- 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. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCWP 3-25

OMGT-2836 1.5 (*) B 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.
- 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. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCWP 3-25
- 2. TM 10446B-OI SAAWF Operations and Maintenance Instructions
- 3. TM 10200A-OI/1 ADCP Maintenance Manual
- 4. TM 10498B-OD TAOM Operations Maintenance Manual

OMGT-2838 8.0 (1460) B ,R

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

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

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

OMGT-2840 2.0 (1460) B,R (1) IOW L

Goal. Prepare IOW equipment for embarkation.

Requirement. Given an IOW, packing list and an Equipment Density
List (EDL):

- 1. Conduct a Limited Technical Inspections (LTIs) on applicable equipment.
- 2. Conduct an SL-3 inventory on the equipment.

<u>Performance Standard</u>. With the aid of reference, prepare the equipment for embarkation by completing the requirement items.

Instructor. SI, MI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCRP 4-11.3G Unit Embarkation Handbook
- 2. Local SOP
- 3. Applicable Technical Manuals

OMGT-2842 4.0 (1095) B,R

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.

<u>Performance Standard</u>. 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. 2010, 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. Refer to equipment applicable TMs.

OMGT-2844 1.0 (*) B

Goal. Submit a frequency request.

Requirement. Given the reference and a scenario with operational requirements and references:

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

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

Instructor. BI, SI

Prerequisite. 2000, 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference

- 1. MCRP 3-40B
- 2. MCO 2400.2

OMGT-2846 1.0 (*)

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

В

Requirement. Given a scenario, identify materials required to sustain operations for mission length.

- 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. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCO P4790.2

OMGT-2848 2.0 (1460) B,R

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 reguests from 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.

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

Instructor. BI, SI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference. MCO P4400.150

2.9.12 ORGANIZATIONAL STRUCTURE (ORGS) STAGE

2.9.12.1 <u>Purpose</u>. To teach the trainee how adjacent and higher agencies are organized, and the organizational capabilities of each. This stage provides general information on the mission, concept of employment, organization and equipment of the MAW and supporting agencies.

В

2.9.12.2 General

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

ORGS-2900 4.0 (*)

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Control Squadron (MACS).

Requirement. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within.)
 - a. Headquarters sections, to include:
 - (1) Communications Maintenance
 - (2) Operations Communications
 - b. Tactical Air Operations Center (TAOC)
 - (1) S3
 - (2) S6
 - (a) Radar
 - (b) Tactical Data Systems Maintenance (TDSM)

- (3) TAOC sections and crew composition (maintenance and operations)
- c. Early Warning and Control (EWC)
 - (1) S3
 - (2) Communication Electronics Maintenance Officer
 - (a) Radar
 - (b) Tactical Data Systems (TDS)
 - (3) EW/C sections and crew composition (maintenance and operations)
- d. Marine Air Traffic Control Detachments (MATCD) Describe sections and crew composition (maintenance and operations) for each.
 - (1) Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS) MATCD
 - (2) Marine Air Traffic Control All-Weather Landing System (MATCALS) MATCD
 - (3) Tower/TACAN Detachment
 - (4) MATC Mobile Team (MMT)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/TPS-59 Long Range Radar
 - b. AN/TPS-63 Medium Range Radar
 - c. AN/TYQ-23 Tactical Air Operations Module (TAOM)
 - d. AN/MSQ-124 Air Defense Communication Platform (ADCP)
 - e. AN/TYQ-87 Sector Anti Air Warfare Facility (SAAWF)
 - f. AN/TSQ-239 V4 Combat Operations Center (COC)
 - g. AN/USC-55A
 - h. AN/TPN-31A Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS)
 - i. AN/TSO-131 (CCS)
 - j. AN/TPN-73 Air Surveillance Radar (ASR)
 - k. AN/TPN-22 Precision Approach Radar (PAR)
 - 1. AN/TSQ-120B Tower
 - m. AN/TRN-44A Tactical Air Navigation (TACAN)
 - n. AN/TSQ-216 Remote Landing Site Tower (RLST)
 - o. AN/TRN-47 Tactical Air Navigation (TACAN)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating the required information. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8004, 8005

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.6
- 3. MCWP 3-25.7
- 4. MCWP 3-25.8
- 5. Approved Core METL applicable to the unit
- 6. TM 10498B-OD TAOM Operations Maintenance Manual
- 7. UM 2005
- 8. TM 07736C
- 9. TM 07751B
- 10. TM 10200A-OI/1

- 11. TM 10446B-OI
- 12. TM 10389-12 CTT
- 13. TM 10389-30 CTT

ORGS-2905 2.0 (*)

L

<u>Goal</u>. Identify the mission, organizational units, and major systems of the air traffic control units aboard Marine Corps air stations and facilities.

В

Requirement. Given the references, state or identify the below listed requirement items:

- Identify the location of all Marine Corps air stations and facilities
- 2. State the mission of the air traffic unit
- 3. Identify the organizational sections and the function of each
 - a. Headquarters sections
 - b. Communications
 - c. Radar
 - d. NAVAIDS
 - e. Weather
- 4. Major systems and subsystems and state the capabilities and limitations of each.
 - a. ETVS: AN/FSC-127, Enhanced Terminal Voice Switch
 - b. ASR: Airport Surveillance Radar
 - c. PAR: AN/FPN-63, Precision Approach Radar
 - d. TACAN: AN/URN-25 or AN/URN-32, Tactical Air Navigation System
 - e. STARS: AN/FSQ-204, Standard Terminal Automation Replacement System
 - f. VISCOM: Visual Communications
 - g. BRITE: Bright Radar Indicator Tower Equipment
 - h. AN/GRC-211: VHF Radio set
 - i. AN/GRC-171: UHF Radio Set
 - j. CM-200: VHF/UHF TX or RX Set
 - k. ASOS: Automated Surface Observing Systems
 - 1. ILS: Instrument Landing System

Marine Air Control Squadron (MACS) Air Traffic Control Detachments typically have equipment from the following list, but usually not all:

- a. ATNAVICS: AN/TPN-31A, Air Traffic Navigation, Integration, and Coordination System $\,$
- b. CCS: AN/TSQ-131, Communication and Control Subsystem
- c. RLST: AN/TSQ-216, Remote Landing Site Tower
- d. AN/TSQ-120B: Air Traffic Control Central
- e. AN/GRC-211: VHF Radio set
- f. AN/GRC-171: UHF Radio Set
- g. AN/URC-94: HF/LVHF Radio Set
- h. AN/ARC-210: HF/VHF/UHF/SATCOM Radio Interface
- i. XTS-5000: Digital Portable Radio Set
- j. RT-1796: Radio Set
- k. RT-1694: Radio Set
- 1. TACAN: AN/TRN-44A, Tactical Air Navigation System,

- m. MAN PORTABLE TACAN: AN/TRN-47, Tactical Air Navigation (TACAN) Set
- n. ASR: AN/TPS-73, Airport Surveillance Radar
- o. PAR: AN/TPN-22, Precision Approach Radar

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8005

Reference.

- 1. AN/FPN-63 (NAVELEX EE216-LA-MMD-010/FPN-63)
- 2. AN/GPN-27 (NAVELEX 0967-LP-639-9011)
- 3. AN/GPN-30 DASR (FAA TI6310.57)
- 4. AN/FSQ-204 STARS (FAA TI6191.400)
- 5. AN/FYC-22A VISUAL INFORMATION DISPLAY SYSTEM (VIDS): NAVAIR 16-60FYC22A-1
- 6. AN/FYC-22B VISUAL INFORMATION DISPLAY SYSTEM (VIDS): NAVAIR 16-60FYC22B-1
- 7. AN/TPN-22 PAR (EE216-BA-SOM-01B)
- 8. AN/TPS-73 ASR (EE200-AB-MAN-010/AN/TPS-73)
- 9. AN/TPN-31A ATNAVICS (NAVAIR 16-60TPN31A-2)
- 10. AN/TSQ-263(V) TACTICAL TERMINAL CONTROL SYSTEM (TTCS):
 - a. NAVAIR 16-60TSQ263-1
 - b. TI 6650.53
 - c. AE-VICOM-SYS-000
 - d. NAVAIR 16-60TPN31A-2
 - e. EE005-DM-OMI-010/PD70-TSQ131
 - f. 16-60TSQ216-100/200
- 11. AN/TSQ-120B: EE100-UQ-OMI-010/TSQ120B
- 12. AN/GRC-211: EE150-BK-OMI-010
- 13. AN/GRC-171: EE150-AS-MMC-010
- 14. AN/URC-94: EE111-AF-OMP-010
- 15. AN/ARC-210:
 - a. Radio Receiver-Transmitter RT-1794 523-0778328
 - b. XTS-5000: Commercial TM 6881094C25
 - c. RT-1796: Harris Manual 10515-0109-4100
 - d. RT-1694: Harris Manual 10515-0103-4100
 - e. CM-200: TI 6610.15A/ TI 6620.7A
 - f. TM: EE172-GA-OMI-010/TRN-44A
 - g. 16-30TRN47-1

ORGS-2910 2.0 (*) B

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Support Squadron (MASS).

Requirement. Given the references, state or identify the below listed requirement items:

1. State the mission and concept of employment.

- Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections
 - b. Communications Electronics
 - c. Direct Air Support Center (DASC) describe sections and crew composition (maintenance and operations) for each.
 - d. DASC(Airborne) describe sections and crew composition (maintenance and operations) for each
 - e. Air Support Element (ASE) describe sections and crew composition (maintenance and operations) for each
 - f. Air Support Liaison Teams (ASLT) describe crew composition.
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/MRC-148 Radio Sets
 - c. AN/MRC-145 Radio Sets
 - d. AN/UYQ-3B Direct Air Support Central Air Support System (DASCAS)
 - e. AN/TSQ-239 V2 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisiste. 8003

Reference

- 1. MCRP 5-12D
- 2. MCWP 3-25.5
- 3. Approved Core METL applicable to the unit

ORGS-2915 2.0 (*)

В .

<u>Goal</u>. Identify the mission, headquarter and TACC sections, and major systems of the Marine Tactical Air Command Squadron

(MTACS).

Requirement. Given the references, state or identify the below

- 1. State the squadron mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within.)
 - a. Headquarters Sections

listed requirement items:

- TACC sections and crew structure (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/TYY-2 Theat3er Battle Management Core Systems (TBMCS)
 - c. AN/TYQ-101A Communication Data Links System (CDLS)
 - d. AN/URC-107 (V)10 Joint Tactical Information
 Distribution System (JTIDS)
 - e. AN/USC-55A Commanders Tactical Terminal (CTT)

- f. Link Management System Multi TDL (LMS-MT)
- g. Intelligence Operations Workstation (IOW)
- h. Intelligence Operations Server (IOS)
- i. Advance Field Artillery Tactical Data System (AFATDS)
- j. AN/TSQ-239 V2 Combat Operations Center (COC)k. Common Connectivity Device (CCD)
- 1. Joint Automated Deep Operations Coordination System (JADOCS)

Performance Standard. With the aid of reference, complete each requirement item by verbally stating the required information correctly in writing or verbally. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8002

Reference

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

В

ORGS-2920 2.0 (*)

Goal. Identify the mission, organizational units, and major systems of the Low Altitude Air Defense Battalion (LAAD Bn).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
 - a. Primary
 - b. Secondary
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters Services Battery
 - b. Firing Batteries
 - c. Firing Sections
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. Man Portable Air Defense System (MANPADS)
 - b. AN/MRC-148 Radio Set
 - c. AN/MRC-145 Radio Set
 - d. AN/TSQ-239 V4 Combat Operations Center (COC)

Performance Standard. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

<u>Instructor</u>. BI, SI

Prerequisite. 8006

Reference

1. MCRP 5-12D

- 2. MCWP 3-25.10
 - 3. MCWP 3-25.10a
 - 4. Approved Core METL applicable to the unit.

ORGS-2925 2.0 (*) B

Goal. Identify the mission, organizational units, and major systems of the VMU Squadron.

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections
 - b. Unmanned Aircraft Systems Detachments (UASD)
 - (1) Headquarters Detachment
 - (2) UAS Detachments A, B, C
 - (3) UAS sections and crew composition (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/TSQ-239 V4 Combat Operations Center (COC)
 - b. Marine Corps Tactical Unmanned Aircraft System (Shadow, RQ-7B)

Performance Standard. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8007

Reference

- 1. MCRP 5-12D
- 2. MCWP 3-26
- 3. MCWP 3-42.1
- 4. Approved Core METL applicable to the unit

ORGS-2930 2.0 (*) B

Goal. Identify the mission, organizational units, and major systems of the Marine Wing Communications Squadron (MWCS).

Requirement. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within)
 - a. Headquarters sections
 - b. Detachments A, B, C, sections and crew composition (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.

- a. Lightweight Multi-Band Satellite Terminal (LMST)
- b. MRC-148
- c. MRC-145
- d. MRC-142
- e. Very-small-aperture terminal (VSAT)
- f. Phoenix
- g. Transition Switch Module (TSM)
- h. Data Distribution System-Replacement (DDS-R)
- i. deployable technical control (DTC)
- j. Tactical Data Network (TDN) Gateway
- k. AN/TRC-170
- 1. AN/TSQ-239 V4 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8008

Reference

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

ORGS-2935 2.0 (*) B

 $\underline{\text{Goal}}$. Identify the mission and support provided by the Marine Wing Support Squadron (MWSS).

Requirement. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the functional support areas
 - a. Weather Services
 - b. EAF Services
 - c. Refueling
 - d. Explosive Ordnance Disposal
 - e. Essential Engineer Services
 - f. Motor Transport
 - g. Field Mess Facilities
 - h. Sick-Call and Aviation Medical Functions
 - i. Nuclear Biological and Chemical Defense
 - j. Security and Law Enforcement Services
 - k. Internal airfield communication
 - 1. Airbase Commandant functions

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8028

Reference

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

В

ORGS-2940 2.0 (*)

L

<u>Goal</u>. 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.

<u>Performance Standard</u>. 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. 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

ORGS-2945 2.0 (*) B

Ι

<u>Goal</u>. Identify the mission of Higher Headquarters and supporting establishments.

Requirement. Given the reference, identify the mission, organizational structure and location of each of the following:

- 1. Higher Headquarters
 - a. Marine Air Control Group (MACG)
 - b. Marine Air Group (MAG)
 - d. Marine Aircraft Wing (MAW)
 - e. Marine Expeditionary Forces (MEF)
 - f. Marine Corps Installations (East and West)
 - q. Marine Forces (MARFORCOM, MARFORPAC, MARFORRES)
 - h. Headquarters Marine Corps (APX)
- 2. Supporting Establishments: Explain how each organization supports the MACCS:

- a. Marine Corps Systems Command (MARCORSYSCOM)
 - (1) Marine Corps Tactical Systems Support Activity (MCTSSA)
 - (2) Program Group 09 Operational Forces Systems (OFS)
 - (3) Program Group 11 MAGTF C2, Weapons and Sensors Development and Integration (MC2I)
 - (4) Program (PEO) Land Systems
 - (5) Vendor support for commercial off-the-shelf (COTS) equipment.
- b. Marine Corps Combat Development Command (MCCDC)
- Training and Education Command (TECOM)
 - (1) Aviation Training Branch (ATB)
 - (2) Marine Corps Communication Electronics School (MCCES)
 - (3) Marine Aviation Training Support Group (MATSG) 21)
- d. Aviation Program Expeditionary Enablers (APX)
- e. Marine Corps Logistics Command (MARCORLOGCOM)
- f. Naval Air Systems Command (NAVAIR) PMA-213 / 205
 - (1) Space and Naval Warfare Systems Command (SPAWARS)
 - (2) Naval Air Warfare Center Aircraft Division (NAWC-AD)
- g. Logistics Command
 - (1) MCLB Barstow Maintenance Center
 - (2) MCLB Albany item managers
 - (3) Repairable Issue Point (RIP)

Performance Standard. Without the aid of reference, pass a written exam with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. 8063

Reference. MCWP 3-40.1 MAGTF C2

ORGS-2950 4.0 (1460) B,R

Goal. Draw an Overview (OV) chart of the MACCS concept of employment.

Requirement. Given the references, draw an OV chart depicting how a notional MACCS could be employed. Include all the MACCS agencies and how they are employed in the battle area to include:

- 1. Major Systems
- 2. Agencies. Include a depiction of how MWSS supports the MACCS
- 3. Interoperability and lines of communications
 - (a) Data links (TDL)
 - (b) Voice comm
 - (c) Data comm
 - (d) Networks
- 4. Submit the OV chart to the instructor for review.
- 5. Develop and submit a brief on the OV chart.

Performance Standard. With the aid of reference, draw the OV chart and submit it to the instructor who will review for correctness. Explain the OV chart in detail to the instructor and the maintenance chief/maintenance officer. The instructor will ensure the brief and the OV chart covers all MACCS agencies and major

systems (to include UAS, MWCS, and how MWSS supports). Communications architecture should be IAW the reference.

Instructor. BI, SI

<u>Prerequisite</u>. 8000, 8028, 8063, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945

Reference.

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

2.10 MISSION SKILL TRAINING (3000)

- 2.10.1 <u>Purpose</u>. To develop mission skill proficiency personnel to be able to perform their assigned duties under general or minimal supervision while directly supporting the unit mission essential tasks. At the completion of all required training in this phase, the trainee will be eligible for qualification or designation, as applicable.
- (1) Basic Technicians will gain mission skill proficiency in basic radio operations and maintenance, and communications systems operations and maintenance. They will be able to perform their duties under general supervision.
- (2) Advance Technicians will gain mission skill proficiency in advance radio operations and maintenance, communications systems operations and maintenance, and SATCOM operations.
- (3) Crew Chiefs will gain mission skill proficiency in radio operations, communications systems operations and maintenance, SATCOM operations, and maintenance management.
- (4) Maintenance Chiefs will gain mission skill proficiency in radio operations and maintenance, communications systems operations and maintenance, SATCOM operations, and maintenance management.

2.10.2 General.

2.10.2.1 <u>Prerequisiste</u>. Complete all core skill events for the position being trained.

2.10.2.2 Admin Notes.

- (1) Training in this phase does not preclude simultaneous training in the core plus phase.
- 2.10.2.3 <u>Stages</u>. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
2.10.3	DEPLOYMENT (DEPL)
2.10.4	MAINTENANCE MANAGEMENT (MMGT)

2.10.5 OPERATIONS MANAGEMENT (OMGT)

2.10.3 DEPLOYMENT (DEPL) STAGE

2.10.3.1 <u>Purpose</u>. To teach the trainee 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.

2.10.3.2 <u>General</u>

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

DEPL-3000 4.0 (730) B,R 2-AN/MRQ-12 or 1-AN/MRQ-12 & 1 Stand Alone L

Goal. Set-up the communications systems within the TACC.

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

- 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.

<u>Performance Standard</u>. With the aid of reference, set up the system for operation and perform system check. When completed, grounds are less than 10 ohms, VSWR in antenna cables are less than 1.2:1, and all equipment in shelter are powered up with no faults.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800

External Syllabus Support. Utilities mechanic to properly connect and power up required generator.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(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 (CDS) System Description and Overview
- 5. RT-1694D(P)(C)/U (AN/VRC 104) TM 10822A-IN
- 6. AN/VRC-103(V)1 Veh Radio Comm TM 11255A-OR/1
- 7. AN/PRC-117F(V)(C) Radio Operation Manual (AN/VRC-103)
- 8. AN/PRC-152 Multiband Handheld Radio (AN/VRC-110) Digital

DEPL-3005 8.0 (730) B,R 2-AN/MRQ-12 or 1-AN/MRQ-12 & 1 Stand Alone L

Goal. Prepare system for embark.

Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark/retrograde:

- 1. Conduct proper system power down/teardown .
- 2. Layout and conduct an SL-3 inventory of the equipment
- 3. Conduct Limited Technical Inspections on listed equipment
- 4. Pack and secure equipment.
- 5. Create a packing list
- 6. Placard/label the shelters for embark

<u>Performance Standard</u>. 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.

Prerequisite. 2405, 2535, 2838, 2840

Instructor. SI, WTI

Reference

- 1. MCO 3120.6 (Standard Embarkation Management System)
- 2. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(V)3 Operation and Maintenance Instructions

DEPL-3010 8.0 (730) B,R

L

<u>Goal</u>. Deploy a maintenance section in support of unit operations.

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

- 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.

Prerequisite. 2405, 2535, 2806, 2838, 2840, 3005

Instructor. SI, WTI

Reference

- 1. MCO 3120.6
- 2. Applicable TMs/UMs

2.10.4 MAINTENANCE MANAGEMENT (MMGT) STAGE

2.10.4.1 <u>Purpose</u>. To teach the trainee how to manage a maintenance section.

2.10.4.2 <u>General</u>

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

MMGT-3100 2.0 (*)

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<u>Goal</u>. Verify the corrective maintenance repair process is being conducted.

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

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

11. Verify equipment record jacket is updated.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items without error. The instructor should ask questions during the training session to check for understanding of the CM process.

Instructor. SI, WTI

Prerequisite. 2708

Reference

- 1. MCO P4790.2C
- 2. TM-4700-15/1
- 3. UM-4790.5
- 4. MCO P4400.16G
- 5. MCBUL 3000
- 6. Applicable end item TM

MMGT-3105 2.0 (1095)

B, R

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m L}$

Goal. Validate the float assets.

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

- 1. Review documentation given and provide recommendations for organizational Critical Low Density Float assets and required on-hand quantities.
- 2. Conduct a float re-computation.
- 3. Submit float re-computation to the instructor for validation.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor will review and validate the recomputation and provide feedback to the trainee.

Instructor. SI, WTI

Prerequisite. 2712

Reference

- 1. MCO 4790.2
- 2. MCO P4400. $\overline{1}$ 50
- 3. FEDLOG

MMGT-3110 3.0 (*)

В

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Goal. Assess maintenance funding requirements.

Requirement. Given a scenario, 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(s) utilization.
- 3. Provide an anticipated maintenance funding request based on

the unit's TEEP.

4. Submit a budget request with justification to the instructor.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor shall ensure the budget request and justification submitted supports the scenario.

Instructor. SI, WTI

Prerequisite. 2714

Reference

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

2.10.5 OPERATIONS MANAGEMENT (OMGT) STAGE

2.10.5.1 <u>Purpose</u>. To teach the trainee how to prepare for, deploy and employ a maintenance section of personnel and required equipment. This stage emphasizes the effective use of logistics, manpower and equipment capabilities.

2.10.5.2 General

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

<u>OMGT-3200 2.0 (730) B,R</u>

__L

<u>Goal</u>. Develop a communications plan to support an OPLAN.

Requirement. Given an OPLAN and command guidance, determine communications requirements to support the OPLAN.

- 1. Identify mission requirements.
- 3. Determine the communications requirement to support the mission.
- 2. Determine mission essential equipment.
- 4. Identify maintenance personnel required to support mission requirements.

<u>Performance Standard</u>. With the aid of reference, develop a communications plan that includes all requirement items and supports the OPLAN and command guidance. Instructor shall review the comm. plan, ensure its accuracy, and provide the trainee feedback.

Instructor. SI, WTI

Prerequisite. 2000, 2005, 2010, 2015, 2800, 2802

Reference. MCWP 3-40.3 - Communications and Information Systems

OMGT-3202 1.0 B,R (730) 2-AN/MRQ-12 or 1-AN/MRQ-12 & 1 Stand Alone L

<u>Goal</u>. Verify communications with external agencies.

Requirement. Given a system that has been setup, verify communications with external agencies:

- 1. Analyze guard chart.
- 2. Identify NET priority.
- 3. Control sequence of radio checks:
 - a. Perform radio checks in priority sequence.
 - b. Roll to next NET if faults are found.
 - c. Pass control of operational NETs to TACC Crew Chief.
 - d. Troubleshoot faulty NETs after completion of sequence.

<u>Performance Standard</u>. Without the aid of reference, verify communications and ensure radio NETs come up by priority and faulty NETs are identified for troubleshooting.

Instructor. SI, WTI

Prerequisite. 2130, 2135, 2140

Reference

- TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(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 (CDS) System Description and Overview
- 5. RT-1694D(P)(C)/U (AN/VRC 104) TM 10822A-IN
- 6. AN/VRC-103(V)1 Veh Radio Comm TM 11255A-OR/1
- 7. AN/PRC-117F(V)(C) Radio Operation Manual (AN/VRC-103)
- 8. AN/PRC-152 Multiband Handheld Radio (AN/VRC-110) Digital

OMGT-3204 · 1.0 (730) B,R

L

Goal. Verify COMSEC handling procedures.

Requirement. Given a scenario, and EKMS materials, ensure proper COMSEC handling procedures:

- 1. Verify the procedures for storage, transportation, and handling of COMSEC materials.
- 2. Verify appropriate keying materials.
- 3. Ensure proper loading of keying materials.
- 4. Ensure proper destruction of keying materials:
 - a. Destroy keying materials on time.
 - b. Properly record destruction.

<u>Performance Standard</u>. Without the aid of reference, ensure proper handling of keying materials and devices to ensure no EKMS Practices Dangerous to Security (PDS) or incidents.

Instructor. SI, WTI

Prerequisite. 2600, 2605, 2610, 2615, 2620

Reference

- 1. EKMS-1A
- 2. SECNAVINST 5510.36

OMGT-3206 40.0 (730)

B,R

 $_{\rm L}$

Goal. Identify Operational Requirements.

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

- 1. Communication electronics equipment required.
- 2. Engineering equipment.
 - a. Air conditioners.
 - b. Heavy equipment.
 - c. Generators.
- 3. Personnel required.
 - a. Identify minimum number of mission skilled maintainers per crew required to support the mission
 - b. Identify minimum number of designated leaders required to support the mission
 - c. List the administrative requirements for crew.
 - (1) Tactical license
 - (2) Security Clearance
- 4. Cryptographic equipment required.
- 5. Logistics support required.
- 6. Supply support required.
 - a. Bill of Material (BOM) requirements.
 - b. 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. Draw a site layout plan.
- 10. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
- 11. Submit the site layout and brief the plan.

<u>Performance Standard</u>. With the aid of reference, complete the requirements items.

- Instructor will review the site layout and provide feedback to the trainee.
- 2. Trainee will adjust the brief to reflect the feedback
- 3. Trainee will brief the instructor and maintenance officer.
- 4. Instructor will question the trainee during the brief to

check for understanding of the planning process.

Instructor. SI, WTI

Prerequisite. 2804, 2806, 2832

Reference

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

OMGT-3208 5.0 (365) B, R

Goal. Perform in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Perform daily assigned maintenance duties while in a simulated CBRN environment.

- 1. Begin in MOPP-0 and graduate to MOPP-IV over a four hours period.
- 2. Plan personnel rotations while in MOPP gear.

Performance Standard. Without the aid of reference, complete the requirement items IAW the reference for a period of four hours. The instructor may provide minimal guidance. ORM and safety precautions shall be adhered to.

Instructor. SI, WTI

Prerequisite. Complete annual mask confidence course.

External Syllabus Support. MOPP gear

Reference.

- 1. FM 11-1 NBC Operations
- 2. MCO P3440.4G

OMGT-3210 2.0 (1460) B,R

Goal. Understand basic operations of the maintenance section.

Requirement. During an quided discussion, address the following:

- 1. State the mission of the squadron.
- 2. State how the maintenance section supports the squadron mission.
- 3. State the purpose of each functional area within the maintenance section.
- 4. State the BT's role and responsibilities within the maintenance section.
- 5. State the purpose and function of each PEI and associated ancillary equipment within the maintenance section.

- 6. State the purpose of preventive and corrective maintenance.
- 7. List the different maintenance schedules.
- 8. State the communications security processes and requirements, to include:
 - a. List COMSEC equipment
 - (1) Loader (section specific)
 - (2) Organic crypto equipment (section specific)
 - b. State the office responsible for managing COMSEC equipment
 - c. Explain the COMSEC checkout and turn-in procedures
- 9. Explain the purpose of MIMMS
- 10. Explain the following maintenance procedures, to include:
 - a. Initial identification of a fault
 - b. Induct the item into the maintenance system
 - c. Receive, install and OPCHECK the new item
 - d. List the required documentation
- 11. State the purpose of the shop's safety board and identify the each item and what their use is.
- 12. State the purpose of a Material Safety Data Sheet (MSDS) and where they are located within the shop.
- 13. State the procedures that would be used for an electrical shock victim.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of the items.

Instructor. SI, WTI

Prerequisite. 2500, 2722

Reference

1. MCO P4790.2

OMGT-3212 2.0 (1460)

B,R

Τ.

 $\underline{\operatorname{Goal}}$. Understand basic deployment considerations for the maintenance section.

Requirement. During a guided discussion, address the following:

- 1. Predeployment considerations:
 - a. State the purpose of a packing list and content
 - b. State the purpose the Bill of Materials (BOM) and content
 - c. State the purpose of a float list and content
 - d. List the support equipment required for each PEI
 - e. List the MIMMS forms needed during deployment, their purpose and content
 - f. List the publications required
 - g. List communications requirements for each PEI
 - (1) Frequencies
 - (2) Bandwidth required
 - h. List the power requirements for each PEI
 - i. List the ECUs required to support each PEI
- 2. Embarkation considerations

- a. State specifications of each PEI and ancillary equipment
- b. State transport required to move each end item:
 - (1) Person
 - (2) MHE
 - (3) Air
 - (4) Ground
 - (5) Ship
- c. State safety consideration for movement of each PEI
- d. State proper labeling of each item
- e. Staging of equipment for embark
- 3. Setup considerations
 - a. Equipment placement location
 - b. Grounding
 - c. Power and fuel sources
 - d. Obstructions (natural or manmade)

 - e. Sequence of equipment setupf. Sequence of turning on equipment
- 4. Sustain Operations considerations
 - a. Requirement for PMCS
 - b. State the purpose of a refueling schedule
 - c. State the periodic checks required
 - d. Environmental considerations to include HAZMAT containment, spillage prevention, and disposal
- 5. Retrograde considerations
 - a. Prioritize sequence of equipment turn off and teardown
 - b. Review packing list
 - c. Stage the equipment for embark
 - d. Identify the required transport for retrograde
 - e. Turn-in temp loaned equipment
 - f. HAZMAT disposal
 - q. Clean up and restore area

Performance Standard. Without the aid of reference, complete the requirement items. The instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each consideration.

Instructor. SI, WTI

Prerequisite. 2535, 2836

Reference

- 1. MCO P4790.2
- 2. Local SOP

3.0 OMGT-3214 (1460)

B,R

Goal. Understand advance operations of the maintenance section.

Requirement. During a guided discussion address the following:

- 1. State the community core METs and output standards for each.
- 2. State the implied maintenance tasks for each MET.
- 3. Identify the different sections within the squadron and state their function:
 - a. "S" sections
 - b. Supply

- c. MMO
- d. Motor Transport
- e. Utilities .
- f. EKMS
- q. CMMC
- h. Squadron Detachments and their sections
- 4. Discuss directives governing inspection of functional areas, at a minimum:
 - a. MCO 4700.
 - b. MCO 4790.2
 - c. Unit SOP
- State the AT's role and responsibilities within the maintenance section.
- 6. State those PEIs within the squadron that function as an integrated system
- 7. State the importance of writing and adhering to the different maintenance schedules according to NAVMC 10561.
- 8. Explain how different environments/operational commitments can impact the maintenance schedules.
- Explain the methods used to secure COMSEC items during operations.
- 10. Explain the process from induction to disposal of PEIs.
- 11. Identify the key sections in an OPLAN that provide mission requirements.
- 12. Identify the different external agencies the squadron normally interconnects with during an operation/exercise.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each item.

Instructor. SI, WTI

Prerequisite. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference.

1.

2.

3.

OMGT 3216 3.0 (1460)

B,R

L

 $\underline{\text{Goal}}$. Understand advance deployment considerations for the maintenance section.

<u>Requirement</u>. Given a mission by the instructor, during a guided discussion, address the following:

- 1. List the essential information needed to begin planning to deploy the section.
- 2. State the purpose and key elements of a site survey.
 - a. Primary and alternate site determinants
 - b. Tactical orientation of site
 - c. Emplacement of equipment, to include

- d. Existing resources on site
- 3. Equipment considerations:
 - a. State the PEI in an EDL and ancillary equipment required to support the mission.
 - b. Determining power and fuel requirements.
 - c. List communications requirements (frequency and bandwidth).
 - d. List the key equipment publications for each PEI.
 - e. List the software required for each PEI as applicable.
 - f. State the secondary repairables that would be required on a float list, and factors that may impact the list.
 - g. State the process for writing a packing list.
 - h. State the process for writing Bill of Materials (BOM).
 - i. State the MIMMS processes.
- 4. Architecture considerations:
 - a. Communications
 - b. Data
- 5. Embarkation considerations for PEIs:
 - a. State capabilities and limitations of each PEI.
 - b. State the different transport configurations.
 - c. State special considerations for PEI transportation.
 - d. State safety consideration for embarkation.
 - e. Explain the purpose of pre-staging equipment:
 - a. Squadron section involved
 - b. Maintenance section role in the process.
- 6. Equipment Setup considerations:
 - a. Determine site area capabilities and limitations
 - (1) Access
 - (2) Obstructions
 - (3) Survivability
 - (4) Existing support and resources available
 - (5) Equipment security
 - b. Establish sequence of equipment setup.
 - c. State the reason there is a sequence for energizing and de-energizing equipment.
- 7. Sustain Operations considerations
 - a. Schedule for PMCS.
 - b. Adequate refueling schedule.
 - c. Environmental considerations to include HAZMAT containment, spillage prevention, and disposal procedures.
- 8. Retrograde considerations
 - a. Establish sequence of equipment turn off and teardown.
 - b. Develop a staging plan for retrograde.
 - c. Identify transportation requirements.
- 9. Personnel considerations
 - a. Required T&R skill sets.
 - b. Crew composition and total crews.
 - c. State factors that make a personnel non-deployable.
 - d. Transportation arrangements

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. The instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each consideration.

<u>Instructor</u>. SI, WTI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

Reference.

1.

OMGT-3218 4.0 (1460)

B,R

L

Goal. Understand how to manage a maintenance section.

Requirement. During guided discussions, address the following:

- 1. List operational units and supporting establishments and their missions:
 - (a) MACG and subordinate squadrons
 - (b) Higher Headquarters up to HQMC
 - (c) Supporting establishments
- 2. List the external agencies (including Joint agencies) that traditionally integrate/communicate with the squadron during operations
- 3. List the PEIs for each MACCS agency and state the purpose, capabilities and limitations of each.
- 4. State those PEIs within each agency that function as an integrated system
- 5. State the community core METs and output standards for each.
- 6. State the implied maintenance tasks for each MET.
- 7. Explain the methods used to secure COMSEC items during operations.
- 8. Describe the architectures for:
 - (a) MACCS Integration
 - (b) Communications
 - (c) Data
- 9. List the doctrinal publications and key documents essential to determining mission and T&R requirements
 - (a) MCWP
 - (b) Concept of Employment
 - (c) OPLANs
 - (d) Annex K
 - (e) TEEP
 - (f) Community T&R Manual
- 10. For each publication and document listed above:
 - (a) State the purpose
 - (b) State the general content
 - (c) State what pertinent information each provides
- 11. Describe the equipment reconciliation process
 - (a) LM2
 - (b) Daily Process Report (DPR)
 - (c) Daily Transaction Lists (DTL)
 - (d) Exceptions Report
- 12. Describe the float process
- 13. Describe the MIMMS process
- 14. Describe the QA process
- 15. Describe the process to change unit T/O and equipment allocation, to include:
 - (a) Purpose of a TOECR

- (b) TOECR submission process and forms required
- (c) System used to process (TFSMS).
- (d) Reasons a TOECR would be submitted
- 16. Describe the UNS and UUNS process
- 17. Describe the frequency request process and timelines
- 18. Funding Lines
 - (a) O&EM
 - (b) Plan and Estimate (PE)
 - (c) Requisitions Authority (RA)
 - (d) MILCON
- 19. Identify and describe major milestones in the deployment planning process from mission through retrograde
- 20. List and explain the major deployment milestones and their importance, to include:
 - (a) Predeployment
 - (b) Deployment
 - (c) Retrograde
- 21. Explain how a new equipment item is acquired by the Marine Corps and how each step impacts the maintenance section:
 - (a) Identifying the requirement
 - (b) Appropriating
 - (c) Fielding
 - (d) Induction
 - (e) Disposal
 - (f) Sundown

<u>Performance Standard</u>. Complete the requirement items IAW the reference. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each item.

Instructor. SI, WTI

<u>Prerequisite</u>. 2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3210, 3212, 3214, 3216

Reference.

1.

2.

2.11 CORE PLUS SKILL TRAINING (4000)

2.11.1 Purpose.

- (1) The MTACS does not have the requirement for core plus skills. Core plus training in this syllabus allows for the cross training of 5900 maintenance technicians.
- (2) The nature of the 5939 community is such that its members can be assigned to several MACCS agencies to include the DASC, TAOC and MTACS. Each agency has a different communications requirements, some with more depth than others. Realizing this fact, this phase provides for cross training with 5900 communications sections in other agencies on how to perform preventive maintenance checks and services (PMCS) and configure DASC, TAOC and DASC(A) communications equipment.

(3) Commanders are encouraged support and create opportunities for core plus training delineated in this phase.

2.11.2 General.

2.11.2.1 <u>Prerequisiste</u>. 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2405, 2500, 2535, 2722, 2800, 2838, 2840, 3000, 3005, 3208, 3210, 3212, 6100

2.11.2.2 Admin Notes.

- (1) Training in this phase does not preclude simultaneous training in Core or Mission Skill phases.
- 2.11.2.3 $\underline{\text{Stages}}$. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGENAME
2.11.3	DIRECT AIR SUPPORT CENTER (DASC)
2.11.4	TACTICAL AIR OPERATIONS CENTER (TAOC)
2.11.5	AIRBORNE COMMAND AND CONTROL (ABNC2)

2.11.3 DIRECT AIR SUPPORT CENTER (DASC) STAGE

2.11.3.1 <u>Purpose</u>. To teach the trainee how to conduct PMCS on an AN/GRC-242.

2.11.3.2 General

Prerequisite.

Admin Notes. NONE.

Crew Requirements. NONE.

DASC-4100 2.0 (1460) B,R (1) AN/GRC 242 I

<u>Goal</u>. Conduct preventive maintenance checks and services (PMCS) on AN/GRC 242.

Requirement. Given the AN/GRC 242, cleaning gear and PPE, conduct PMCS IAW Technical Manual.

Instructor. SI, WTI

Prerequisite. NONE

Reference

- 1. Receiver Radio R-2420/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

2.11.4 TACTICAL AIR OPERATIONS CENTER (TAOC) STAGE

2.11.4.1 <u>Purpose</u>. To teach the trainee how to configure communications equipment specific to the TAOC.

2.11.4.2 <u>General</u>

Prerequisite.

Admin Notes. NONE.

Crew Requirements. NONE.

TAOC-4200 2.0 (1460) B,R (1) AN/MSQ-124 L

Goal. Conduct PMCS on an ADCP communications system.

Requirement. Given an ADCP communications system, cleaning gear and PPE, conduct PMCS IAW TM.

<u>Performance Standard</u>. With the aid of reference, conduct the PMCS. Instructor will ensure the PMCS was conducted IAW the reference.

Instructor. BI, SI

Prerequisite. NONE.

Reference. Applicable communications system TM(s).

TAOC-4205 70.0 (1460) B,R

 $\underline{\operatorname{Goal}}$. Configure Tactical Data Link in Aviation Command and Control Systems.

Requirement. Given the references and equipment required to establish TADIL connections

- 1. Identify the characteristics of TADIL-B.
- 2. Identify the characteristics of TADIL-A.
- 3. Identify the characteristics of TADIL-J.
- 4. Establish connections and settings required for a TADIL-B link.
- 5. Encrypt a TADIL-B circuit.
- 6. Make necessary data base entries to establish TADIL-B.
- 7. Ensure the TADIL-B circuit is operational.
- 8. Establish connections and settings required for TADIL-A.
- 9. Encrypt a TADIL-A circuit.

- 10. Make necessary data base entries to establish TADIL-A.
- 11. Ensure the TADIL-A circuit is operational.
- 12. Establish connections and settings to establish TADIL-J.
- 13. Encrypt a TADIL-J circuit.
- 14. Make necessary data base entries to establish TADIL-J.
- 15. Ensure TADIL-J circuit is operational.

Performance Standard. With the aid of reference, complete the requirement items. Instructor will ensure all TADILs are operational and all necessary adjustments are made. Completion of the Aviation Communication System Managers Course at MCCES satisfies this standard.

Instructor. BI, SI

Reference

- 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

TAOC-4210 37.0 (1460) B,R L

Goal. Configure the Aviation Command and Control Systems data communications network equipment.

Requirement. Given the references and required equipment:

- 1. Select the statement that describes the Transmission Control Protocol / Internet Protocol (TCP/IP).
- 2. Select statement that describes 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 statement that describes 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 statement that describes a function of server type.
- 11. Select statement that defines a Local Area Network (LAN).
- 12. Select the statement that describes a network topology.
- 13. Select statement that defines a Wide Area Network (WAN).
- 14. Select statement that describes purpose of a console cable.
- 15. Select the statement that describes a functional description of a network cable.
- 16. Given required tools and cables, create a straight-through category 5e (CAT-5e) cable.
- Given required tools and cables, create a crossover CAT-5e 17. 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 statement that describes purpose of a MAC address.
- 21. Select statement that describes 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 statement that describes an IPV4 private network.
- 25. Select statement that describes an IPV4 loopback address.
- 26. Select statement that describes an IPV4 network address.
- 27. Select 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 statement that describes function of a static route.
- 31. Select statement that describes 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 statement that identifies purpose of subnetting.
- 35. Select statement that identifies purpose of a subnet mask.
- 36. Select the statement that describes a subnet work address.
- 37. Given a subnet mask, select number of available networks.
- 38. Given a subnet mask, select number of hosts on the subnet.
- 39. Select statement that describes the purpose of Classless Inter-Domain Routing (CIDR).
- 40. Given a subnet mask, select 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 statement that describes 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 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 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 statement that describes a step to configure DHCP.
- 63. Select the statement that describes the function of a Windows networking command.
- 64. Given a Windows system, change the system identification.
- 65. Given a Windows system, configure the system for DHCP operation.

<u>Performance Standard</u>. 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. BI, SI

Reference

- 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

2.11.5 AIRBORNE COMMAND AND CONTROL (ABNC2) STAGE

2.11.5.1 <u>Purpose</u>. To teach the trainee how to setup, operate and maintain Airborne DASC equipment. MTACS maintenance personnel who have an opportunity to train on ABNC2 equipment are encouraged to do so.

2.11.5.2 <u>General</u>

Prerequisite.

Admin Notes. NONE.

Crew Requirements. NONE.

ABNC2-4300 4.0 (1460) B,R (1) AN/GRC 171B(V)4 L

<u>Goal</u>. Perform preventive maintenance checks and services (PMCS) on AN/GRC 171B(V)4.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

1. Conduct PMCS on AN/GRC 171B(V)4 radio set.

2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on an AN/GRC 171B(V)4 and complete administrative.

Instructor. BI, SI

Prerequisite. 2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference

- 1. Radio Set AN/GRC-171B(V) 4 TM-09780A-12/2
- 2. Radio Set AN/GRC-171B(V)4 TM-09780A-13&P/1

ABNC2-4305 2.0 (1460)

B,R (1) AN/VRC 90D L

Goal. Perform PMCS on the AN/VRC-90D.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

- 1. Conduct PMCS on the AN/VRC-90D.
- 2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS actions on the AN/VRC 90D IAW the reference and complete administrative actions.

Instructor. BI, SI

Prereguisite. 2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/VRC-90D TM 11-5820-890-10-8

ABNC2-4310 2.0 (1460) B,R (1) AN/VRC-102

Goal. Perform PMCS on the AN/VRC-102.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

- 1. Conduct PMCS on the AN/VRC-102.
- 2. Complete all required administrative actions.

Performance Standard. With the aid of reference, perform PMCS on the AN/VRC 102 and complete administrative actions.

Instructor. BI, SI

Prerequisite. 2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/VRC 102 Harris Manual 10515-0187-4200

ABNC2-4315 2.0 (1460) B,R (1) AN/PSC 5 L

Goal. Perform PMCS on the AN/PSC 5.

Requirement. Given the reference, required TMDE and maintenance tools listed in the reference:

- 1. Conduct PMCS on the AN/PSC 5.
- 2. Complete all required administrative actions.

<u>Performance Standard</u>. With the aid of reference, perform PMCS on the AN/PSC 5 and complete administrative actions.

Instructor. BI, SI

<u>Prerequisite</u>. 2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/PSC 5 TM 10191A-12 & P-1A

ABNC2-4320 2.0 (1460) B,R (1) AN/UYQ-3B L

Goal. State the characteristics of AN/UYQ-3B.

Requirement. State the characteristics of the AN/UYQ-3B, to
include:

- 1. Radio assets
- 2. Mobility
- 3. Power requirements
- 4. Antenna pairing

<u>Performance Standard</u>. Without the aid of reference, state the requirement items without error.

Instructor. BI, SI

<u>Prerequisite</u>. 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. TM AN/UYQ-3B

ABNC2-4325 4.0 (1460) B,R (1) AN/UYQ-3B L

Goal. Install unit specific HF, VHF, UHF radios in AN/UYQ-3B.

Requirement. Given the references, install the following radios in the AN/UYQ-3B:

- 1. AN/GRC 171B(V)4
- 2. AN/VRC 90D
- 3. AN/PSC 5
- 4. AN/VRC 102

Performance Standard. With the aid of reference, install each radio listed above into the AN/UYQ-3B and complete administrative actions.

Instructor. BI, SI

Prerequisite. 4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference

- 1. Radio Set AN/GRC-171B(V)4 TM-09780A
- 2. TM 11-5820-890-10 AN/VRC 90D
- 3. TM AN/PSC 5 ?
- 4. TM AN/VRC 102 ?
- 5. TM AN/UYO-3B

ABNC2-4330 2.0 (1460)

B, R (1) AN/GRC-171B(v)4 L

Goal. Perform CM on the AN/GRC-171B(V)4 radio set to the module level.

Requirement. Given an AN/GRC-171B(V)4 with an identified fault, comply with safety procedures and complete the following:

- 1. Conduct visual inspection for defects.
- 2. Identify necessary TMDE.
- 3. Perform troubleshooting techniques.
- 4. Correctly identify the faulty module.
- 5. Correctly annotate work performed on ERO.
- 6. Replace faulty module and conduct operational check.
- 7. Submit item for authorized Quality Control check.

Performance Standard. With the aid of reference, perform CM on the faulty AN/GRC-171 B(V)4, replace faulty component, verify operational checks and complete administrative actions. The instructor will conduct the authorized Quality Control check.

Instructor. BI, SI

Prerequisite. 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference

- 1. TM 09780A-13&P
- 2. TM-09780A-45&P/3-1
- 3. TM-09780A-45&P/3-2

ABNC2-4335 2.0 (1460) B,R 1 AN/VRC 90D

Goal. Perform CM on the AN/VRC-90D.

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

- 1. Identify faulty component on the AN/VRC-90D system.
 - a. AM-7238
 - b. AM-7239
 - c. RT-1523C
 - d. AS-3900
- 2. Replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Perform operational communications check.

Performance Standard. With the aid of reference, perform CM on AN/VRC 90D, replace any faulty component(s), and complete required administrative actions. Instructor will verify the communications check was successful.

<u>Instructor</u>. BI, SI

Prerequisite. 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/VRC-90D TM 11-5820-890-10-8

ABNC2-4340 2.0 (1460) B,R 1 AN/VRC 102

Goal. Perform CM on the AN/VRC-102.

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

- Conduct CM on the AN/VRC-102 and identify faulty component on the AN/VRC-102:
 - a. CU-2397 Coupler
 - b. RF 5832H Power Amplifier
 - c. RT-1694
 - d. AT 1011
- 2. Replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Perform operational communications check.

Performance Standard. With the aid of reference, perform CM on AN/VRC 102, replace any faulty component(s), and complete required administrative actions. Instructor will verify the communications check was successful.

Instructor. BI, SI

Prerequisite. 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/VRC 102 Harris Manual 10515-0187-4200

ABNC2-4345 2.0 (1460) B, R 1 AN/PSC 5 L

Goal. Perform CM on the AN/PSC 5.

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

- 1. Identify faulty component on the AN/PSC 5 system.
 - a. RT-1672/U(C)
 - b. Antenna
- 2. Replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Perform operational communications check.

<u>Performance Standard</u>. With the aid of reference, perform CM on the AN/PSC 5, replace any faulty component(s), and complete required administrative actions. Instructor will verify the communications check was successful.

Instructor. BI, SI

<u>Prerequisite</u>. 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. AN/PSC 5 TM

ABNC2-4350 3.0 (1460) B,R 1 AN/UYQ-3B L

Goal. Perform CM on the AN/UYQ-3B system.

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

- 1. Conduct CM on the AN/UYQ-3B and identify the faulty component(s) in the AN/UYQ-3B.
 - a. Power Distribution System
 - b. Communication Data System
 - c. Radio Systems
- 2. Replace the faulty component(s), as required.
- 3. Complete all required administrative actions.
- 4. Perform operational communications check.

Performance Standard. With the aid of reference, perform CM on AN/UYQ 3B, replace any faulty component(s), and complete required administrative actions. Instructor will verify the communications check was successful.

Instructor. BI, SI

<u>Prerequisite</u>. 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

Reference. TM AN/UYQ-3B

ABNC2-4355 8.0 (730) B,R 1-AN/UYQ-3B L

Goal. Prepare the AN/UYQ-3B for embark.

Requirement. Given an AN/UYQ-3B SL-3, prepare system for embark:

- 1. Prepare system inventory:
 - a. Perform Limited Technical Inspections.
 - b. Layout and inventory equipment.
- 2. Conduct proper system power down/teardown.
- 3. Properly pack and secure equipment.
- 4. Load and transport to flight line.
- Coordinate loading of AN/UYQ-3B equipment into a KC-130 model.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor will ensure the AN/UYQ-3B is loaded and unloaded correctly.

Instructor. BI, SI

<u>Prerequisites</u>. 4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

External Syllabus Support. KC-130 aircraft and transport vehicle.

Reference

- 1. TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(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 (CDS) System Description and Overview

ABNC2-4360 2.0 (730) B,R 1-AN/UYQ-3B L

Goal. Setup an AN/UYQ-3B.

Requirement. Given the appropriate KC-130 model and all associated equipment, setup an AN/UYQ-3B by performing the following:

- 1. Safely ground equipment.
- 2. Connect external 400Hz power and antenna cables.
- 3. Install antenna couplers into KC-130 mounts.
- 4. Apply power.
 - a. Verify inputs and phases.
 - b. Power up shelter and all ancillary equipment in proper sequence.
- 5. Perform operational checks.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor will verify equipment is operational.

Instructor. BI, SI

<u>Prerequisite</u>. 4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836

External Syllabus Support. KC-130 aircraft

Reference

- TM-10576C-OI/1A Communications Interface System (CIS) AN/MRQ-12(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 (CDS) System Description and Overview

2.12 INSTRUCTOR UNDER TRAINING (IUT) (5000)

2.12.1 <u>Purpose</u>. 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.

2.12.2 General.

2.12.2.1 Prerequisiste. NONE.

2.12.2.2 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://www.intranet.tecom.usmc.mil/sites/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.

WTI	Mission Skill, Core Plus, and Qualification events. WTI: - Evaluate/recommend for qualification / designation.

2.12.2.3 <u>Stages</u>. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGENAME
2.12.3	INSTRUCTOR UNDER TRAINING (IUT)

2.12.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

2.12.3.1 <u>Purpose</u>. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

2.12.3.2 General

Prerequisite. NONE.

Admin Notes. NONE.

Crew Requirements. NONE.

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	ВІ
5010	Understand the structure of an event	ВІ
5020	Conduct a period of instruction on a core skill event	Ві
5100	Understand the Aviation Training and Readiness (T&R) Program	\$1
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	ŞI

2.13 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000)

2.13.1 <u>Purpose</u>. 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.

2.13.2 General.

2.13.2.1 Prerequisiste. NONE.

2.13.2.2 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.
- 2.13.2.3 <u>Stages</u>. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
2.13.3	QUALIFICATION (QUAL)
2.13.4	DESIGNATION (DESG)

2.13.3 QUALIFICATIONS (QUAL) STAGE

2.13.3.1 <u>Purpose</u>. To provide for basic and advanced technician qualifications.

2.13.3.2 General

<u>Prerequisite</u>. 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 E L

<u>Goal</u>. 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, 2160, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2690, 2758, 3000, 3005, 3208, 3210, 3212

QUAL-6105 8.0 (1095) B E L

<u>Goal</u>. 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, 2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2716, 2718, 2720, 2752, 2754, 2756, 2758, 2800, 2834, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 3000, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 6100, 8000

2.13.4 DESIGNATIONS (DESG) STAGE

2.13.4.1 <u>Purpose</u>. 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.

2.13.4.2 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

Goal. Designation as a Basic Instructor (BI).

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

Prerequisite. 5000, 5010, 5020, 6100

<u>DESG-6321</u>

Goal. Designation as Senior Instructor (SI).

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

<u>Prerequisite</u>. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6100 or 6105, 6320

DESG-6550

<u>Goal</u>. 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, 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, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2716, 2718, 2720, 2752, 2754, 2756, 2758, 2800, 2802, 2804, 2806, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 3000, 3005, 3010, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 6100, 6105, 8000, 8020

DESG-6555

 $\underline{\text{Goal}}$. 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, 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, 2400, 2405, 2410, 2415, 2420, 2425, 2430, 2435, 2440, 2445, 2450, 2455, 2460, 2465, 2470, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2535, 2540, 2545, 2650, 2690, 2700, 2702, 2704, 2706, 2708, 2710, 2712, 2716, 2718, 2720, 2722, 2724, 2726, 2728, 2730, 2732, 2734, 2736, 2738, 2742, 2744, 2746, 2748, 2750, 2752, 2754, 2756, 2758, 2800, 2802, 2804, 2806, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2940, 2945, 2950, 3000, 3005, 3010, 3100, 3105, 3110, 3202, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 6100, 8000, 8020, 8060, 8080

DESG-6500 2.0 (*)

L

Goal. Designation as Maintenance Safety NCO.

В

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 MI and designated by maintenance officer.

<u>Performance Standard.</u> The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the technician has met the requirement.

<u>Instructor</u>. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2525, 2530

Reference. MCO P4790.2

DESG-6505 2.0 (*) B

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 MI 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. 2500, 2525, 2530

Reference. MCO P4790.2

DESG-6510 2.0 (*) B

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 MI 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. 2500, 2520

Reference. MCO P4790.2

DESG-6515 2.0 (*) B

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 MI 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. 2500

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 MI and designated by maintenance officer.

<u>Performance Standard</u>. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

<u>Instructor</u>. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2515, 2545

Reference. MCO P4790.2

DESG-6525 2.0 (*)

L

Goal. Designation as a Maintenance Calibrations NCO.

В

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 MI and designated by maintenance officer.

<u>Performance Standard</u>. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the Marine has met the requirement.

<u>Instructor</u>. BI or SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2505, 2545

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 MI and designated by maintenance officer.

 $\underline{\text{Performance Standard}}$. 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. 2500, 2510, 2545

Reference. MCO P4790.2

DESG-6535 2.0 (*) B

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 MI 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. 2500, 2535, 2545

Reference. MCO P4790.2

DESG-6540 2.0 (*) B

<u>Goal</u>. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or MI 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. 2500, 2540, 2545

Reference. MCO P4790.2

DESG-6545 2.0 (*) B

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 MI and designated by maintenance officer.

<u>Performance Standard</u>. 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. 2500

Reference. MCO P4790.2

2.14 AVIATION CAREER PROGRESSION MODEL (8000).

2.14.1 <u>Purpose</u>. 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

2.14.2 <u>General</u>. 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://www.intranet.tecom.usmc.mil/sites/mawts1/mawts1%20webpages/Aviation%20Career%20Progression%20Model.aspx?PageView=Shared

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	10.114	1	2000
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM	* 0	4	2000
ACPM	80 02	TACTICAL AIR COMMAND CENTER (TACC)		4	2000
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)	256	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	UAS SUPPORT TO THE MAGTF		4	2000
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000
ACPM	8020	ACE	1 P	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
АСРМ	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	20 00
ACPM	8040	THREAT		1	4000
лСРМ	8041	SURFACE TO AIR THREAT TO THE MAGTF	4.2	4	4000
ACPM	8042	FIXED WING THREAT TO THE MAGTE		4	4000
ACPM	8043	ROTARY WING THREAT TO THE MAGTE		4	4000
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	4000
ACPM	8045	RADIO ELECTRONIC COMBAT THREAT TO THE MAGTE		4	3000
ACPM	8060	MAGTF			3000
ACPM	8061	GROUND COMBAT OPERATIONS	200.28 417.54	4	3000
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE	X	4	3000
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000
ACPM	8064	MAGTF COMMUNICATIONS		4	3000
ACPM	8065	PHASING CONTROL ASHORE	101111	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)	7 . 3	4	3000
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000
		TOTAL ACPM STAGE	39	141	Ì

2.15 TER ATTAIN AND MAINTAIN TABLES

	1.1.	 	1.7	wallet i	M	ITACS MAINTENANCE MOS 5939	11 11		140.00
		-		CORE/M	IISSION	I/CORE PLUS ATTAIN AND MAINT	TAIN MATRIX		
					11.7	CORE SKILL (2000 Phase)		 18 (18.46.2)	

T&R EVENT INFORMATION				BASIC	POI	REFRESHE	ER POI	MAINT/ PROFICIE		PREREQS	CHAINING			
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE.	CODE					
Frequency Spectrums		2000	*		2000			•		-	-			
Radio Characteristics	5150	2005R	1460	5,450	2005R	SVCO	2005R		:2005R	-				
Comm Sys Characteristics	SYSO	2010R	1460	SYSO	2010R	SYSO	2010R	SYSO	2010R	2000, 2005	-			
System Power Req		2015	*		2015					-	-			
Utilize Ground Test Set			2100	*		2100					2000, 2005, 2010, 2015, 2225	-		
Ground Installation		2105	*		2105					2000, 2005, 2010, 2015, 2225	-			
Assemble and Erect Antennas		2110	*		2110					2000, 2005, 2010, 2015	-			
Radio Install		2115	*		2115					2000, 2005, 2010, 2015, 2225	-			
Install External Radios		2120	*		2120							-	2000, 20 0 5, 201 0 , 2015, 2225	
Install CDS		2125	*		2125					2000, 2005, 2010, 2015, 2225	-			
Configure AN/VRC- 103 for PT Op		2130R	1460		.2130R		2130R		.2130R	2000, 2005, 2010, 2015, 2225	-			
Configure AN/VRC- 104 for PT Op		2135R	1460		.2135R		2135R		2135R	2000, 2005, 2010, 2015, 2225	-			
Configure AN/GRC- 171B(V)4		2140R	1460		2140R		2140R		2140R	2000, 2005, 2010, 2015, 2225	-			
Configure AN/GRC- 256	SETUP	.2145R	1460	460	2145R	SETUP :	2145R	SETUP	2145R	2000, 2005, 2010, 2015, 2225	-			
Configure Single Channel Radios CT		2150R	1460		2150R		2150R	·	2150R	2000, 2005, 2010, 2015, 2225	-			
Configure SATCOM Radio, CT		.2155R	1460		2155R		.2155R		2155R	2000, 2005, 2010, 2015, 2225, 2130	-			
Setup Satellite Antenna		2160	*		2160					2000, 2005, 2010, 2015, 2225, 2130	_			
Configure AN/VRC- 103 Enhanced Operation		2165R	1460		2165R		.2165R		2165R	2000, 2005, 2010, 2015, 2130	-			
Configure AN/VRC- 104 Enhanced Operation		2170R	1460		2170R		2170R		2170R	2000, 2005, 2010, 2015, 2135	-			
Field Expediant Antennas		2175	*		2175		200 200 F 4 100 F 4 1		2000	2000, 2005, 2010, 2015, MCI 2515	-			
Utilize Multimeter.	TMDE	2200	*	TMDE	2200	TMDE		TMDE		-	-			

Utilize OTDR Utilize Ground Tester		2220	20 *		2215					.	-
Tester Utilize Frequency Counter		2225	*		2225					<u> </u>	-
Utilize Communication Test Set		2230	*		2230					2600	-
Induct equipment into maint cycle		2400	*		2400					2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
SL-3 Inventory		2405	*		2405					2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
PM Program		*		2410					2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	
AN/GRC-171B(V) 4 PMCS		2415R	1460		2415R		.2415R		2415R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-
AN/VRC-104 PMCS		1460		.2420R		2420R		.2420R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	
AN/VRC-103 PMCS		2425R -	1460		\$2425R \$2430R		Ĵ2425R	204504	, 2 425R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	•
AN/VRC-110 PMCS	B1 4 C1 4	2430R	h (italia			D1 4 G1 4	2430R		2430R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-
AN/GRC-256 PMCS	PMCM	2435R	1460	PMCM	2435R	PMCM	:2435R	PMCM	2435R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	•
AN/GRC-171B(V) 4 CM		2440R	1460		2440R		2440R		2440R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 22 3 5	-
AN/VRC-104 CM		.2445R	1460	1460	2445R		244SR		_2445R		
AN/VRC-103 CM		∗2450R	1460		.2450R		2450R		.2450R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/VRC-110 CM		.2455R	1460		2455R		2455R		2455R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/GRC-256 CM		.2460R	1460		2460R		2460R		2460R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-
AN/MRQ-12 CM		2465R	1460		2465R		.2465R		2465R	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2445, 2450	-
Maintenance	CD	2500	*	CD	2500	ĆD		CD	1	-	-

Identify Calibration Program		2505	*		2505					2500, MCI 287A	
Maintenance Mod Program		2510	*		2510					2500	-
Maintenance Tool Control Program		2515	*		2515					2500	-
Maintenance Pub Library Program		2520	*		2520					2500	-
Maintenance Safety Prog		2525	*		2525					2500	-
MSDS]	2530	*	}	2530					2500	-
Embarkation Elements		2535	*		2535					2500	•
MIMMS Forms]	2540R	365]	2540R		2540R		.2540R	2500, MCI 0410C	
Equipment Record Jacket		2545	*		2545					2500	-
Describe handling and storage of classified materials.		72600R	365		2600R		2600R		2600R	MCI 2525B	-
Familiar with physical security requirements		2605R	365	COMSEC	2605R	COMSEC	.2605R	COMSEC	2605R	MCI 2525B	-
Conduct crew change over security procedures.	COMSEC	,2610R	365		2610R		2610R		2610R	MCI 2525B, 2050	-
Extract key material . information from EKMS COMSEC callout.		:2615R	365		2615R		2615R		2615R	MCI 2525B, 2050	-
Utilize Simple Key Loader (SKL)		2620R	3 65]	2620R		.2620R		.2620R	MCI 2525B, 2050, 2065	-
Tactical Data Links		2650	*		2650					•	•
TBMCS Equipment		2655	*		2655					-	-
IOW]	2660	*	<u> </u>	2660					-	
AFATDS	FAM	2665	*	FAM	2665	FAM		FAM		-	-
IOS	1	2670	_ 	ļ	2670				L	-	
CDLS		2675	*	<u> </u>	2675				<u> </u>		-
COC		2680	*		2680				<u> </u>	•	· · ·
LMSM1	1	2685	*	}	2685		<u> </u>				
ADPE		2690	*		2690		 		 		
Identify TFSMS Process		2700	*		2700					•	
Identify Maintenance Turnover Binder	MMGT	2702	*	MMGT	2702	MMGT		MMGT		-	-

	1 1 1		1 1		2100, 2105, 2110,	!
	1				2120, 2125, 2405,	
Equipment	. i				2500, 2535, 2722,	
Disposition	2704 *	2704	1		2800, 2838, 2840,	-
Disposition					2836, 3000, 3005,	
					3208, 3210, 3212	-
					2100, 2105, 2110,	
					2120, 2125, 2410,	
DNACE Calcula	2706 *	3705			2500, 2535, 2722,	
PMCS Schedule	2706 *	2706			2800, 2838, 2840,	-
					2836, 3000, 3005,	
		,			3208, 3210, 3212	
					2100, 2105, 2110,	
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					2120, 2125, 2405,	
Inventory Control					2500, 2515, 2535,	
Procedures	2708R 1460	2708R	2708R	2708R	2545, 2722, 2800,	-
ribledules					2838, 2840, 2836,	
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				300	2535, 2540, 2722,	
Reconcile MIMMS	2710R 365	.2710R	2710R	2710R	2800, 2838, 2840,	_
AIS Rpt					2836, 3000, 3005,	
					3208, 3210, 3212,	
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Describe	51,111,1111,11					İ
Repairable Issue	2712R 1460	2712R	2712R □	2712R	2540	-
Point process						
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Identify Float	2714R 1460	2714R	2714R	2714R	2540	-
Process						
Define Major		30.235,025				
funding lines	2716R 1460	2716R	‡2 7 16R⇒	2716R	-	-
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New equipment						}
	2718 *	2718			2400, 2540, 2545	-
inducting process						
				 		
Phase out						
	2720 *	2720			2540, 25 4 5, 2702	-
equipment process						
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	l company				2120, 2125, 2500,	
Conduct QA					2532, 2620, 2708,	
Inspection	2722R 1460	27.22R	2722R	2722R	2722, 2800, 2804,	-
mapection	11 12 12 12 12 12 12 12 12 12 12 12 12 1			17.00	2806, 2832, 2836,	1
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1		A Company Comp	1.50	100	3212, 3214, 3216	
I A M-i-A	Recognition of the second	and strongs.		116.6.7,819.8		1
Inspect Maint	2724R 1460	.2724R	2724R	:2724R	2500, 2520, 2708	-
Functional Areas					,	
]			2100, 2105, 2110,	
Submit TOECR					2120, 2125, 2500,	
					2532, 2620,2700,	
	2726 *	2726			2722, 2800, 2804,	_ '
	2/20 .	4/40				1 -
					2806, 2832, 2836,	1
•					3204, 3206, 3208,	1
			<u> </u>		3212, 3214, 3216	
Urgent Needs	2728 *	2722			2005	1
Process	2728 *	2728			2806	-
Develop Budget	2730R 1460	2730R	2730R	2730R	2714	-
GEVERO DURKET	1-2730K-1 140U	1 .Z/3UN 1	i:::Z/DUD::1	Z/3UN	4/47	-
CMR Review	2732R 1460	2732R	."2732R	2732R	2540, 2702, 2716	····

Maintain Publication Library		2734	*		2734					2500, 2520	-
Maintain Safety Procedures		2736	*		2736					2500, 2525	-
Maintain Calibration Procedures		2738	*		2738					2500, 2505	-
Maintain MIMMS Procedures		2740	*		2740			·		2500, 2540	-
CCI Procedures Implemented		2742	*		2742			·		2600, 2605, 2610, 2615, 2620	-
Ensure PMCS on TACC		2744	*		2744					2410, 2415, 2420, 2425, 2430, 2435, 2540, 2545, 2704	-
Maintain Equipment Records	2746	*		2746					2500, 2545	_	
Command Level Brief		:2748R	365		2748R		2748R		27 4 8R	-	-
inventory Control Procedures		2750R	1460		2750R		2750R		.2750R	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2706, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-
Draft a UURI		2752	*		2752		114 (404) 3300 62103 5200			-	-
Explain WIR Procedures		2754	*		2754					-	-
Maintenance Time Cycle Extension		2756	*		2756					-	-
Explain PDQR Procedures		2758	*		2758					-	-
Understand TACC Doctrinal Nets	2802	2800R	365	OMGT	.2800R	OMGT	.2800R	OMGT	2800R	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-
Key Planning Documents		2802	*		2802					2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-
Elements of an Op Order	OMGT	2804	*		2804					2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-
Mission Equipment Requirements		.2806R	365		-2806R		:2806R		2806R	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-

				**************************************		2005, 2010, 2015, 2110, 2160, 2170,	
						2805, 2100, 2105,	
Conduct a site						2110, 2120, 2125,	
survey	2830R	1460	2830R	2830R	;2830R	2500, 2535, 2722,	-
Survey						2800, 2838, 2840,	
				NAME OF		2836, 3000, 3005,	
	in a fair					3208, 3210, 3212	
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						2100, 2105, 2110,	
_						2120, 2125, 2500,	
Crew	2832R	365	2832R	2832R	2832R	2535, 2722, 2800,	-
Requiirements				l de añ	li da i	2838, 2840, 2836,	
						3000, 3005, 3208,	
	- Francisco					3210, 3212	
						2100, 2105, 2110,	
		•				2120, 2125, 2500,	
Supply Support	2834		2834			2535, 2722, 2800,	_
Requirement	2054		2034			2806, 2838, 2840,	-
,						2836, 3000, 3005,	
						3208, 3210, 3212	
						2100, 2105, 2110,	
						2120, 2125, 2500,	
Develop						2535, 2722, 2800,	
Embarkation Plan	2836	*	2836			2806, 2838, 2840,	-
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EDL	2838R	1460	2838R	2838R	2838R	2535, 2722, 2800,	_
LDL		2700	,2030 h			2806, 2838, 2840,	
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	r inskund Særting	1	C279/7247(CE)335230102	27.77 (A. 1.1.2)	et et et et	2120, 2125, 2500,	
	2,712,147,143,147,1		11.44			2535, 2722, 2800,	
IOW Embarkation	₹2840R	1460	2840R	- 2840R-	.2840R	2838, 2840, 2836,	-
		Ĭ.			可能制度	3000, 3005, 3208,	
	l indian	22	334/17/05/2018/05/18/ 13/20/2018/19/2018/ 14/20/2018/2018/ 14/20/2018/2018/		untin visit	3210, 3212	
		5	100,000,000,000		36,200,830,500	2010, 2100, 2105,	
		1				2110, 2120, 2125,	
Danne						2500, 2535, 2722,	
Power	2842R	365	2842R	'2842R	2842R		-
Requirements						2800, 2838, 2840,	
						2836, 3000, 3005,	
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					į	2110, 2120, 2125,	İ
Submit Frequency	2844	*	2844			2500, 2535, 2722,	_
Request	2044		2044			2800, 2838, 2840,	_
		i		.		2836, 3000, 3005,	
						3208, 3210, 3212	
						2100, 2105, 2110,	
						2120, 2125, 2500,	1
Logistics Support						2535, 2722, 2800,	ļ
Request (LSR)	2846	*	2846			2806, 2838, 2840,	-
nequest (LDIV)						2836, 3000, 3005,	
						3208, 3210, 3212	
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	*	3				2120, 2125, 2500,	
Bill of Material	.2848R	1460	2848R	2848R	.2848R	2535, 2722, 2800,	_
(BOM)	,4040R	1400	i i i i i i i i i i i i i i i i i i i	11.100.0014.0000.0110	A118 A118 A118	2806, 2838, 2840,	
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	hinne Eii	£]				3208, 3210, 3212	1
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Identify the MCAS		2905	*		2905					8005	-
Identify MASS	1	2910	*	1	2910					8003	-
Identify MTACS	1	2915	*	1	2915					8002	-
Identify LAAD Bn	1	2920	*	1	2920					8006	-
Identify VMU	1 .	2925	*		. 2925					8007	-
Identify MWCS		2930	*		2930					8008	-
Identify MWSS		2935	*		2935					8028	-
Identify MLG support sections		2940	*		2940						-
HHQ Mission and Support Agencies]	2945	*		2945					8063	-
MACCS OV		2950R	1460		2950R		2950R		2950R	8000, 8028, 8063, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945	-
<u>Taring ay da</u>	a y librarya	<u> Name (186</u>	<u> </u>		MISSIO	N SKILL (3000 P	hase)		u 3 3	<u>,</u>	
T&R EVENT INFORMATION		BASI	CPOI			REFRESHER POI		MAINT/ PROFICIE	and the second of the second	PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Communications System Setup		3000R	730		3000R	·	3000R	. •	.3000R	2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800	-
Prepare System Embark	DEPL	3005R	730	DEPL	3005R	DEPL	3005R	DEPL	3005R	2405, 2535, 2838, 2840	-
Deploy/Retrograde Maint Section		3010R	730		301 0 R		301 0 R		301 0R	2405, 2535, 2806, 2838, 2840, 3005	-
Verify Maintenance Process		3100	*		3100					2708	-
Validate Float Assets	ммст	3105R	1095	ммбт	3105	MMGT .		MMGT		2712	-
Funding Requirements		3110	*		3110		1			2714	-
Develop Comm Plan ISO OPLAN		3200R	730		3200R		3200R	. •	3200R	2000, 2005, 2010, 2015, 2800, 2802	-
COMM External Agencies		3202R	730		3202R		3202R		3202R	2130, 2135, 2140	-
COMSEC Handling		3204R	730		3204R		3204R		3204R	2600, 2605, 2610, 2615, 2620	-
Identify Operational Requirements	OMGT	3206R	7 3 0	OMGT	3206R	OMGT	3206R	OMGT	3206R	2804, 2806, 2832	-
Perform CBRN		3208R	365]	3208R		3208R		3208R	-	-
Understand Basic Maint Section Ops		3210R	1460		3210R		3210R		3210R	2500, 2722	-
Understanding Basic Maint Section Deploy Considerations		3212R	1460		3212 R		3212R		3212R	2535, 2836	-

	i	p. v		1	•	•	1	,			1
							1. 1. 1.		1 1	2100, 2105, 2110,	
Understand										2120, 2125, 2500,	
Advanced Maint		3214R	1460		3214R		3214R		3214R	2535, 2722, 2800,	_
Section Ops					;;;					2838, 2840, 2836,	
Section Ops	1									3000, 3005, 3208,	1
	<u> </u>									3210, 3212	ļ
 -	1									2100, 2105, 2110,	
Understanding			į.							2120, 2125, 2500,	
Advanced Maint										2535, 2722, 2800,	
Section Deploy		3216R	1450		3216R		.3216R		3216R	2838, 2840, 2836,	-
Considerations			}							3000, 3005, 3208,	
Considerations			İ							3210, 3212	
	†								<u> </u>	2100, 2105, 2110,	
				i						2120, 2125, 2500,	
				i							
Understand Maint							22400		22100	2532, 2620, 2722,	1
Sect Management		3218R	1450		3218R		3218R		3218R	2800, 2804, 2806,	-
										2832, 2836, 3204,	
							1			3206, 3208, 3210,	
		100			5		1			3212, 3214, 3216	
					CORE PL	US SKILL (4000	Phase)				
				BASIC		REFRESHER		MAINTAIN		DDCDEOC	
T&R EVENT				POI		POI		PROFICIENCY		PREREQS	
INFORMATION											CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	-	-
AN/GRC-242 PM	DASC	4100R	1460	DASC	4100R	DASC	4100R	DASC	4100R	-	-
ADCP PM	TAOC	4105R	1460	TAOC	4105R	TAOC	4105R	TAOC	4105R		
	IAOC	74103Ng	1400	IAUC	A 4400 Kg	TAGE	Charles and	1400	Distribution		
Configure TADIL Links	TADC	4200R	1460	TAOC	4200R	TAOC	-4200R	TAOC	4200R	-	-
Configure Data	TADC	4205R	1460	TAOC	4205R	TAOC	4205R	TAOC	4205R		
Comm Networks	IAUC	14203103	1400	IAUC	32031	1,400	72031	TAGE	2031		
							112221		100	2410, 2540, 2545,	
										6100, 2000, 2005,	
										2010, 2015, 2100,	
					Mos. woeld					2105, 2110, 2120,	
AN/GRC 171B(v)4	ABNC2	4300R	1460	ABNC2	4300R	ABNC2	4300R	ABNC2	4300R	2125, 2800, 3000,	_
PM	7.5.1.02			/		/.5				2405, 2535, 2838,	
										2840, 3005, 3208,	
						,				2500, 2722, 3210,	
										3212, 2535, 2836	
		10.000000000000000000000000000000000000			200		A 1 6.50 (1)		PROSESSESSESSESSESSESSESSESSESSESSESSESSES		
	1									2410, 2540, 2545,	
		August 1					10000	i		6100, 2000, 2005,	
								ĺ		2010, 2015, 2100,	
		\$ -, L								2105, 2110, 2120,	
AN/VRC-90D PM	ABNC2	-4305R	1460	ABNC2	-4305R	ABNC2	4305R	ABNC2	4305R	2125, 2800, 3000,	-
			•		The said in				1 1 1 1 1 3	2405, 2535, 2838,	
					ALC:					2840, 3005, 3208,	
							100000000000000000000000000000000000000			2500, 2722, 3210,	
			j	1			de Hille		in other	3212, 2535, 2836	1
	'İ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			ALM MARKET		Report of the second	2410, 2540, 2545,	
			1	1						6100, 2000, 2005,	
			1		Institution	J				2010, 2015, 2100,	
l .		 ************************************	<u>'</u> 1	1			Land Total			2105, 2110, 2120,	
			1		717777775						
ANIA/PC-102 BM	ARMCO		1/150	ARNICO	4210D	ARMO	And the same	ARNCO	4310P	3	_
AN/VRC-102 PM	ABNC2	4310R	1460	ABNC2	4310R	ABNC2	4310R	ABNC2	4310R	2125, 2800, 3000,	-
AN/VRC-102 PM	ABNC2	4310R	1460	ABNC2	4310R	ABNC2	And the same	ABNC2	4310R	2125, 2800, 3000, 2405, 2535, 2838,	-
AN/VRC-102 PM	ABNC2		1460	ABNC2		ABNC2	4310R	ABNC2		2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208,	
AN/VRC-102 PM	ABNC2	4310R	1460	ABNC2	.4310R	ABNC2	And the same	ABNC2	4310R	2125, 2800, 3000, 2405, 2535, 2838,	-

AN/PSC-5 PM	ABNC2	4315R	1460	ABNC2	4315R	ABNC2	4315R	ABNC2	4315R	2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
Characteristics of AN/UYQ-3B	ABNC2	.4320R	1460	ABNC2	4320R	ABNC2	-4320R	ABNC2	4320 R	6100, 2000, 2005, 2010, 2015, 2100, 21105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
Install Comm Assets in the UYQ- 3B	ABNC2	4325R	1460	ABNC2	4325R	ABNC2	4325R	ABNC2	4 325R	4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
AN/GRC 171B(v)4 CM	ABNC2	/4330R	1460	ABNC2	4330R	ABNC2	(4330R	ABNC2	4330R	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
AN/VRC-90D CM	ABNC2	4335R	1460	ABNC2	4935R	ABNC2	4335R	ABNC2	4335R	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
AN/VRC-102 CM	ABNC2	4340R	1460	ABNC2	:4340R	ABNC2	4340R	ABNC2	4340R	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
AN/PSC 5 CM	ABNC2	4345R	1460	ABNC2	4345R	ABNC2	434 5R	ABNC2	/д345R	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-

AN/UYQ-3B CM	ABNC2	4350R	1460	ABNC2	4350R	ABNC2	4350R	ABNC2	4350R	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
AN/UYQ-3B Embark/Retrograde	ABNC2	4355R	730	ABNC2	4355R	ABNC2	4355R	ABNC2	4355R	4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-
Setup AN/UYQ-3B	ABNC2	4360R	730	ABNC2	4360R	ABNC2	4360R	ABNC2	4360R	4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-

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2.16 T&R SYLLABUS MATRIX

					ΜŤ	ACS.	MAINTENAI	VČE MOS	5939 T&	R SYLL	ABUS M	ATRIX	`	1471.14 1111.14 2014.14				a de la compositor	de la company
STĀĢE		EVENT	POL	ш			ČÉ	COND	REFLY	ACA	OUND/ ADEMIC VENTS		SIM VENTS	LIVI	E EVENTS	PREREO	NOTES	CHAIN	EVENT CONV
	CODE	TITLE	SHEET.	1275	ŢYPE	#.	OPTION	roeferir Eggis	264	#	TIME	#	TIME	#	TIME		How divide	i i saja a s	CONV
			1		COR	ski	LINTRODI	ICTION T	RAINING	1000	1	VENT	\$) 🗼 🗼		in Toler		Jan 6	100	
ACST	1000	Config AN/GRC 256	В	E	G	-	-	D.	*	100	8.5	(1), (1) (1), (1), (1), (1), (1), (1), (1), (1), (1), (1), (1), (1), (1),	0	199	0.0	-	-		
ACST	1005	Perform CM on AN/GRC 256	В	E	G	•	-	D	*	140	13.5	144.6	0	7.6	0.0	-	-	-	<u> </u>
ACST	1010	Perform PM on AN/GRC 256	В	E	G	-	-	D	*	ese di	9.0	13:18	0	- 2	0.0	-	-	-	ļ <u>-</u>
ACST	1015	Config AN/GRC 171B (V)4	В	Ε	G	-	-	D	*		12.0	180.1	0	14 Piece -	0.0	-	-	-	
ACST	1020	Perform CM on AN/GRC 171B (V)4	В	E	G	-	-	D	*	Sile	73.0	***	0		0.0	-	-	-	-
ACST	1025	Describe PM on AN/GRC 171B (V)4	В	Ε	G	-	-	D	*	Haili I	14.0	166-163	0	400	0.0	-	-	-	
ACST	1030	Set up antennas	В	E	G	-	-	D	*		12.0		0	1.62	0.0	<u>-</u>	-	-	-
ACST	1035	Identify MACCS functions	В	E	G	+	-	D	*		5.0		0		0.0	-	-	-	-
ACST	1040	Operate common field devices	В	E	G	-	-	D	*	i zaban	10.0		0	0791890 11 001887019 02888019	0.0	-	<u> </u>	-	
ACST	1045	Config AN/VRC-103	В	E	G	-	-	D	*		9.0	707.12	0	1417-1	0.0	-	-	-	
ACST	1050	LTI AN/VRC-103	В	٠E	G	•	-	D	*		4.0	3196	0		0.0	-	-	-	-
ACST	1055	Config AN/VRC-104	В	E	G	1	•	D	*	(CIA) (bi-):	5.5	100.3 100.3	0		0.0	-	-	-	-
AÇŞT	1060	LTI AN/VRC-104	В	E	G	•		D	*		5.5	11527	0	- 4.	0.0	-	-	-	
ACST	1065	Config Data Comm network into MACCS	В	E	G	1		D	*		49.0	35.15	0	id jila	0.0	-	-		
ACST	1070	Config CDS	В	Е	G		-	D	*	ij.	20.5		0	******	0.0		-	-	-
ACST	1075	Perform CM on CDS	В	E	G	•	•	D	*		45.0		0		0.0		-	-	-
ACST	1080	Config AN/MRQ-12	В	E	Ğ	•	-	D	*		21.5	Charles Charles	0	ije.	0.0	-	-	-	_
ACST	1085	Perform CM on AN/MRQ-12	В	E	G	1	-	D	*	5 ,	45.0		0	类	0.0	-	-	-	-
for the second	150	TOTAL CORE SKILL INTRODUCTION (1	000 PH	ÀSE I	VENTS)	7		4-34	Lieuwe 2	18	362	0	0	0	0.0			i i kabuput	
19-18-18	200		(*) I		ar Property	Č	ORE SKILL	RÁINING	(2000 PI	JAŠE I	VENTS)							nickim	
	4.1	(Miles		1 270				TEM OVE	RVIEW (S	YSO)		ond)	7-7-1-1-1 18-1	100				th with	1984
SYSO	2000	Frequency Spectrums	В	-	L	-	-	D	*		0	0000	0	100	2.0	-	-	-	-
SYSO	2005	Radio Characteristics	B,R	-	L	-	-	D	1460	tu.	0		0	100	2.0	-	-	-	-
SYSO	2010	Comm Sys Characteristics	B,R	E	L	-	-	D	1460	42,000	0	72	0	1165174 1158142	2.0	2000, 2005	-	-	-
SYSO	2015	System Power Req	В	E	L	-	-	D	*	Philips.	0	11.1	0	11000000	1.5	-	-	-	-
		TOTAL SYSTEM OVERVIEW 5	AGE (S	YSO)	204-5-4	100	The series	A-11		0	0	0	0	4	7.5			danid bis	San Kilina
				V.								000		100					
SETUP	2100	Utilize Ground Test Set	В	-	L	-	_	_	*	*****		. 100 T.			3.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2105	Ground Installation	В	-	L	-	-	-	*			P. O. Fraid Fraid			3.0	2000, 2005, 2010, 2015, 2225		-	-

SETUP	2110	Assemble and Erect Antennas	В	-	L	-	-	-	*	Chapter to		CREAT ACT			4.0	2000, 2005, 2010, 2015			
SETUP	2115	Radio Install	В	-	L	-	-	-	*						4.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2120	Install External Radios	В	-	L	-	-	_	*			Part of the second of the seco			2.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2125	Install CDS	В	-	L	-	-	-	*	ती श्राह्म		V-1			2.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2130	Configure AN/VRC-103 for PT Op	B,R	-	L	-	-	•	1460					interior Military	1.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2135	Configure AN/VRC-104 for PT Op	B,R	-	L	-	-	-	1460						1.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2140	Configure AN/GRC-171B(V)4	B,R	-	L	-	-	-	1460	rij G					1.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2145	Configure AN/GRC-256	B,R	-	L	-	-	-	1460						1.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2150	Configure Single Channel Radios CT	B,R	-	L	-	-	-	1460	di i					1.0	2000, 2005, 2010, 2015, 2225	-	-	-
SETUP	2155	Configure SATCOM Radio, CT	B,R	-	L	-	-	-	1460						2.0	2000, 2005, 2010, 2015, 2225, 2130	-	-	-
SETUP	2160	Setup Satellite Antenna	В	-	L L		-	_	*					T. Sec.	1.0	2000, 2005, 2010, 2015, 2225, 2130	-	-	_
SETUP	2165	Configure AN/VRC-103 Enhanced Operation	B,R		L	-	-	-	1460						2.0	2000, 2005, 2010, 2015, 2130	-	-	-
SETUP	2170	Configure AN/VRC-104 Enhanced Operation	B,R	-	L	-	-	-	1460					September 1	2.0	2000, 2005, 2010, 2015, 2135	-	-	-
SETUP	2175	Field Expediant Antennas	В	-	L	-	-	-	*						4.0	2000, 2005, 2010, 2015, MCI 2515	-	-	-
0.00		TOTAL SETUP SKILLS STAG	E (SETL	P)				200	agaile.	0	0	0	0	0	34.0	grammating a salah a			3.34
. v v					≯TE	ST M	EASUREME	NT DIAGN	VOSTICS	QUIP	MENT (I	MDE)		ilio.	aj steritanti			(Meloco	1417-141
TMDE	2200	Utilize Multimeter.	В		1	-			*	Ohas Servi	0	104818	0	mor.	1.0	-	ļ., <u>-</u> .	-	-
TMDE	2205	Utilize Watt-meter	В	-	L		-	·	*	of the latest	0	550	0		1.0	<u>-</u>	_		-
TMDE	2210	Utilize Oscilloscope	В	<u> </u>	L		-	-	*	Augre	0	7.8. 2.8.	0	3334	2.0	<u>-</u>			-
TMDE	2215	Utilize OTDR	В	<u>-</u>	L	-	-		*	34	0	1.00	0		1.0			<u> </u>	-
TMDE	2220	Utilize Ground Tester	В	_	L	<u> </u>	-	·	*	Billion St	0	= 74	0		2.0	<u>-</u>	<u> </u>		-
TMDE	2225	Utilize Frequency Counter	В	<u> </u>	L	-	-		*	K 1.23	0	100000	0	dingin :	1.0	<u>-</u>	-		-
TMDE	2230	Utilize Communication Test Set	В	-	L	_	-	-	*	56) (10)	0	20.00	0		2.0	2600	-	-	-
		TOTAL TEST MEASUREMENT DIAGNOSTICS EQU	IPMEN	ŢSKI	LLS STA	ĠĒ (Ţ	MDE)- (*)	i de la Cara		0	0	0	0	7	10.0				
		The second of th			PREVE	NTIVE	MAINTENA	ANGE/GOI	RRECTIVE	MAIN	TENANO	CE (PM	iсм)		200		10 Met		
PMCM	2400	Induct equipment into maint cycle	В	-	L	-	-	_	*	55. 55	o		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235		٠	-

ENCLOSURE (1) 2-140

											•								
РМСМ	2405	SL-3 Inventory	В	-	L	-	-	-	*	Y	0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	_
PMCM	2410	PM Program	В		L	-	-	-	*		0		0		1.5	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	,	-	-
PMCM	2415	AN/GRC-171B(V) 4 PMCS	B,R	١,	Ł	-	-	1	1460		0		0		4.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	-	-
РМСМ	2420	AN/VRC-104 PMCS	B,R	-	Ļ	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	-	-
РМСМ	2425	AN/VRC-103 PMCS	B,R	-	L.	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	-	-
РМСМ	2430	AN/VRC-110 PMCS	B,R	-	L	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	-	-
РМСМ	2435	AN/GRC-256 PMCS	B,R	-	Ļ	-	-	-	1460		0		0		1.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2410	-	-	-
РМСМ	2440	AN/GRC-171B(V) 4 CM	B,R	-	L	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
РМСМ	2445	AN/VRC-104 CM	B,R	-	L	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 22 3 5	-	-	-
РМСМ	2450	AN/VRC-103 CM	B,R	-	L	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	<u>-</u>	-	-
PMCM	2455	AN/VRC-110 CM	B ,R	-	Ł	-	-	-	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
РМСМ	2460	AN/GRC-256 CM	B,R	-	L	-	-	•	1460		0		0		2.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235	-	-	-
	2465	AN/MRQ-12 CM	B,R	-	L	-	-	-	1450		0		0		3.0	2200, 2205, 2210, 2215, 2220, 2225, 2230, 2235, 2445, 2450	-	-	-
		TAL PREVENTIVE MAINTENANGE/CORRECTIVE MA									0	0	0	3	16060.0	asiandologicaniments in the service	en en en en en en en en en en en en en e	23.9	ode a
		major of the					* 7/12, co	LLATERAL	DUTIES	(CD)		1 10		HALL I	1.		Hadaa (Marija I		10 m
	2500	Maintenance Collateral Duties	В	<u> </u>	L	-	-	-	*	Marie State	0	15,000	0	12,227	8.0	-	-	-	-
	2505	Identify Calibration Program	В	<u> </u>	L	_		-	*	HAM. BILLIAN	0	7.86	0	144	1.0	2500, MCI 287A	-	-	-
	2510	Maintenance Mod Program	В	-	L_	-	-	-	*	ides.	0	121.3	0	\$ 6.00 L	2.0	2500	-	-	
	2515	Maintenance Tool Control Program	В		<u>L</u>	-	-	-	*		0		0		2.0	2500	-		 -
CD	2520	Maintenance Pub Library Program	В	<u>'-</u>	L	-		_	7		0	See .	0	30	2.0	2500			-

CD	2525	Maintenance Safety Prog	В	E	۱.	1	1	1 1	*		0		n	(Electrical	2.0	2500	j	1	
CD	2530	MSDS	В	-	<u>-</u>	-			*	Marketon (0	0.0960		11111	2.0	2500			 -
CD	2535	Embarkation Elements	В	<u> </u>		-			*	#18-2715 11 12 12 12 12 12 12 12 12 12 12 12 12 1	0	iucoriu iucoriu		5.38 5.15 5.15 5.15	3.0	2500			
CD	2540	MIMMS Forms	B,R	<u> </u>	1	-	_		365	Sire Hillian Jackson		380733		untar.	2.0	2500, MCI 0410C			
CD	2545	Equipment Record Jacket	В	-					*		0	SHEW	- 0	300 C	1.0	2500, WEI 0410C			- -
* * * * * * * * * * * * * * * * * * * *	2343	TOTAL COLLATERAL DUTIES SKIL		25/6	ni see				A 200 EU E	0	0	0		1	8.0			45.0 E. S.	
4,04		THE PROPERTY OF THE PROPERTY O					COMMUN	ickTick!	ECCUPITY	a - I	_	1 - 1	-		0.0	7 H	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
COMSEC	2600	Describe handling and storage of classified materials.	B,R	-	L	-	-		365		0		0		2.0	MCI 2525B	-	-	<u> </u>
COMSEC	2605	Familiar with physical security requirements	B,R	-	L	•	-		365		0		0		2.0	MCI 2525B	· -	-	-
COMSEC	2610	Conduct crew change over security procedures.	B,R	-	L	-	-		365		0	10.00	0		2.0	MCI 2525B, 2050	-	-	
COMSEC	2615	Extract key material information from EKMS COMSEC callout.	B,R	-	L	-	-		365		0		0		2.0	MCI 2525B, 2050	•	-	<u>-</u>
COMSEC	2620	Utilize Simple Key Loader (SKL)	B,R	-	L	<u> </u>	-		365		0		0	100	2.0	MCI 2525B, 2050, 2065	-	-	.
		TOTAL COMMUNICATION SECURITY							*****	0	0	0	0	5	10.0	Control of the Contro			
					27.55		FΑ	MILIARIZ	ATION (F/	AM)		, ,		W. DE	Action and action of the last				urieu.
FAM	2650	Tactical Data Links	В		L	-	-	-	*		0		0	*11.5	3.0		-	-	-
FAM	2 6 55	TBMCS Equipment	В	_	L				*	Specific .	0	36.95	0	Hijk	2.0	-		-	
FAM	2660	IOW	В	-	L	-		-	*		0		0	15.0	2.0				
FAM	2665	AFATDS	В	-	l.	-	-	-	*		0		0	ing.	2.0	-	-	-	-
FAM	2670	IOS	В	-	L	-	- !	-	*		0	1942	0	2.5	2.0	-			
FAM	2675	CDLS	В	-	L		•		*		0	22.4	0		2.0	-	-	-	
FAM	2680	COC	В	-	L	-	-	_	*		0		0		2.0	-		-	
FAM	2685	LMSMT	В	-	L		-	-	*		0		0		2.0		-	-	
FAM	2690	ADPE	В	E	L	-	-	•	*	4	0	PROPERTY OF THE PROPERTY OF TH	0		3.0	-	-	-	-
		TOTAL FAMILIARIZATION SKILLS	STAGE	(FAI	VI)			A service in	artin.	0	0	0	0	6	20.0		100 mg	gratic (S	inter a
		The state of the s	(1000)	di e			MAINTENA	ANCE MA	NAGEME	NT (MI	и́ĞТ)	er.					114, 201		
MMGT	2700	Identify TFSMS Process	В	-	L	-	-	-	*		0	ESTABLE .	0	Maria Collection	8.0		-		•
MMGT	2702	Identify Maintenance Turnover Binder	В	-	L	-	1	-	*	3	0	2.66	0		2.0	<u>-</u>		-	-
MMGT	2704	Equipment Disposition	В	_	L	-	-	-	*		0		0		3.0	2100, 2105, 2110, 2120, 2125, 2405, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-	-	-

MMGT	2706	PMCS Schedule	В	-	L	-	_	-	*		0		0	an .	1.0	2100, 2105, 2110, 2120, 2125, 2410, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-	-	-
MMGT	2708	Inventory Control Procedures	B,R	-	L	-	-	-	1460		0		0		1.5	2100, 2105, 2110, 2120, 2125, 2405, 2500, 2515, 2535, 2545, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-	-	
MMGT	2710	Reconcile MIMMS AIS Rpt	B,R	1	i.	-	-	-	365		0		0		4.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2540, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212, MCI 0410B.MCI 0410C	-	-	-
MMGT	2712	Describe Repairable Issue Point process	B,R	-	Ŀ	-	-	-	1460		0	9 00 11.56	0	4,50mm 35,881,581	2.0	2540		-	-
MMGT	2714	Identify Float Process	B,R	-	٦	-	-	-	1460	55	0	\$25,61	0	22270	2.0	2540	-	-	-
MMGT	2716	Define Major funding lines	B,R	-	L	-	-	-	1460		0	2.5	0		2.0	-	-	-	-
MMGT	2718	New equipment inducting process	В	-	L	-	-	-	*		0		0	and a	2.0	2400, 2540, 2545	-	-	-
MMGT	2720	Phase out equipment process	В	-	L	-	-	-	*	nes .	0	15: 30X: 13: 21: 65	0		2.0	2540, 2545, 2702	-	-	-
MMGT	2722	Conduct QA Inspection	B,R	٠	L	-	-	-`	1 460		0		0		2.0	2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620, 2708, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3212, 3214, 3216	-	-	-
MMGT	2724	Inspect Maint Functional Areas	B,R	-	L	٠	-	-	1460		0		0	AND CONTRACTOR	16.0	2500, 2520, 2708	-	-	-
MMGT	2726	Submit TOECR	В	-	L	-	-	-	*		0		0		16.0	2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620,2700, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3212, 3214, 3216	-	-	-
MMGT	2728	Urgent Needs Process	В	-	L		-	-	*	alel eri Annari	0		0	1028 -: 17116 J.	2.0	2806	-	_	-
MMGT	2730	Develop Budget	B,R	-	L	-		-	1460		0	2.425	0	20,48	16.0	2714	-	-	
MMGT	2732	CMR Review	B,R	-	L	_			1460		0	5.55	0	J25	40.0	2540, 2702, 2716	-	-	-
MMGT	2734	Maintain Publication Library	В	-	L	-	•	-	*	Market Company	0	, 11, 11, 12 11, 12, 12, 12, 12, 12, 12, 12, 12, 12,	0	1630	2.0	2500, 2520	-	-	-
MMGT	2736	Maintain Safety Procedures	В	-	L	<u>L-</u>		-	*	1440	0	2.22	0		1.0	2500, 2525	-	-	

MMGT	2738	Maintain Calibration Procedures	В	-	L	-	-	-	*	100	0	14.142	0		1.0	2500, 2505			-
MMGT	2740	Maintain MIMMS Procedures	В	-	ب	-	-	-	*		0	1,00	0	Spinis	2.0	2500, 2540	<u> </u>		-
MMGT	2742	CCI Procedures Implemented	В		L	-	-	-	*		0		0		1.0	2600, 2605, 2610, 2615, 2620	-	-	-
MMGT	2744	Ensure PMCS on TACC	В	-	Ł	-	-	1	*	Tit.	0		0		1.0	2410, 2415, 2420, 2425, 2430, 2435, 2540, 2545, 2704	-	-	-
MMGT	2746	Maintain Equipment Records	В	-	L	-	-	-	*	44.	0		0	x (i)	1.0	2500, 2545	-	-	-
MMGT	2748	Command Level Brief	B,R	-	L	T- 1	-	-	365	4	0	12011	0		4.0	-	-	-	-
ммст	2750	Inventory Control Procedures	B,R	-	L	1	-	-	1460		0		0		1.5	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2706, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212	-	-	-
MMGT	2752	Draft a UURI	В	-	L	-	-	-	*	Till State	0	11.75E	0	5000	2.0	-	-	-	-
MMGT	2754	Explain WIR Procedures	В	-	L	-	-	-	*		0		0	11100	2.0	-	-	-	-
MMGT	2756	Maintenance Time Cycle Extension	В	-	L	1-	-	-	*		0		0		2.0	-	-	-	-
MMGT	2758	Explain PDQR Procedures	В	T-	L	-	-	-	*	Line i	0	7.7.1.1.1 7.7.1.1.1	0	(1) (1)	2.0	-	-	-	-
	4.5	TOTAL MAINTENANCE MANAGEMENT.	KILLS	ŤÅG	(MMG	T) i		nik dila	Land Company	0	0	0	Q	30	144.0		to enterin	354500	
	k Wee		100				OPERATION	ons Màn	AGEMEN	VID) TIV	/IGT)		4				Mejo (N	da pina	Wat a
омст	2800	Understand TACC Doctrinal Nets	B,R	E	Ļ				365		0		0		4.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			
омст	2802	Key Planning Documents	В	E	L				*		0		0		2.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			
OMGT	2804	Elements of an Op Order	В	-	L				*		0		0		2.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			
OMGT	2806	Mission Equipment Requirements	B,R	E	L				365		0		0		2.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			

ENCLOSURE (1) 2-144

OMGT	2830	Conduct a site survey	B,R	E	L		1460	0	0	4.0	2005, 2010, 2015, 2110, 2160, 2170, 2806, 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
OMGT	2832	Crew Requiirements	B,R	E	Ļ		365	0	0	2.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
OMGT	2834	Supply Support Requirement	В	E	L		*	0	0	3.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
омст	2836	Develop Embarkation Plan	В	E	L.		*	0	0	1.5	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
омст	2838	EDL	B,R	E	L		1460	0	0	8.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
омст	2840	IOW Embarkation	B,R	-	Ĺ		1460	0	0	2.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212
омет	2842	Power Requirements	B,R	Ε	L		365	0	0	4.0	2010, 2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212

DMST 2844 Submit Frequency Request B E L		1		I	ı	l	1	1	I	l I	Yes						1	ı		
OMGT 2846 Logistics Support Request (LSR)	OMGT	2844	Submit Frequency Request	В	E	L				*		0		0		1.0	2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005,			
Communications System Embark Buil of Material (BOM) B.R. E. L. 1460 O O O O O O O O O	OMGT	2846	Logistics Support Request (LSR)	В	E	L				*		0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0		1.0	2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005,			
ORGS 2900 Identify MACS B L			·									0		0		2.0	2500, 2535, 2722, 2800, 2806, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212		Chiel M. Half	
ORGS 2900 Identify MACS B - L	e en Log	acia pravi	TOTAL OPERATIONS MANAGEMENT S	(IELS ST	AGE	(OMG1) . ;	december 16	Barie Mil								Market Control			
ORGS 2905 Identify the MCAS ATC B - L				$\overline{}$		1		ORGANIZ	ATIONAL	STRUCTU	RE (OF	(GS)	Feneral I				T T	apari i su	W.	A a let
DRGS 2910 Identify MASS B - L				-	<u> </u>					*					Sel Billio		 			
DRGS 2915 Identify MTACS B - L				<u> </u>	ــٰــٰ		ļ						Suate							
ORGS 2920 Identify LAD Bin B - L			· · · · · · · · · · · · · · · · · · ·	ļ —	ļ <u> </u>	-	╄-			ļ	dian't i		iii osi		Mark				-	
ORGS 2925 Identify VMU							╄-								2000 C					
ORGS 2930 Identify MWCS B C C C C C C C C C				 	<u> </u>	├							11111		3000					
ORGS 2935 Identify MWSS B - L * 2.0 8028 ORGS 2940 Identify MWSS B E L * 2.0 8028 ORGS 2945 Identify MWSS B E L * 2.0 8063 ORGS 2945 Identify MWG support sections B E L * 2.0 8063 ORGS 2950 MACCS OV B,R - L 1460 4.0 2910, 2915, 2920, 2905, 2930, 2935, 2930, 2935, 2945 INTOTAL ORGANIZATIONAL STRUCTURE SKILLS STAGE (ORGS) 0 0 0 0 0 37 INTOTAL ORGANIZATIONAL STRUCTURE SKILL STAGE (ORGS) INTOTAL ORGANIZATIONAL STRUCTURE SKILL STAGE (ORGS) 0 0 0 0 0 0 0 0 0 0 37 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•			 	<u> </u>	<u> </u>							7742743		A SECTION					
ORGS 2940 Identify MLG support sections B E L * 2.0 ORGS 2945 HHQ Mission and Support Agencies B E L * 2.0 8063 ORGS 2950 MACCS OV B,R - L 1460 4.0 2910, 2915, 2920, 2925, 2930, 2935, 2945 ENTOTAL ORGANIZATIONAL STRUCTURE SKILLS STAGE (ORGS) 0 0 0 0 11 26.0 MISSION SKILL TRAINING (3000 FHASE EVENTS) MISSION SKILL TRAINING (3000 FHASE EVENTS) TAGE ORERATIONS AND TAGE (NFRASTRUCTURE SKILLTRAINING EVENTS (TACCOPS) AND (TACCINF) DEPL 3000 Communications System Setup B,R - L - - D 730 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2100, 2105, 2110, 2120, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L - - D 730 0 0 0 8.0 2405, 2535, 2838, 2840				-	<u> -</u>		┷	ļ <u>. </u>			rbar(sec.a.co		Sau.		Nicci					
ORGS 2945 HHQ Mission and Support Agencies B E L * 2.0 8063 ORGS 2950 MACCS OV B,R - L 1460 4.0 2910, 2915, 2920, 2925, 2930, 2935, 2930, 2935, 2945 INTOTAL ORGANIZATIONAL STRUCTURE SKILLS STAGE (ORGS) 0 0 0 0 1 26.0 INISSION SKILL TRAINING: (3000) PHASE EVENTS: 0 0 0 0 37 DEPL 3000 Communications System Setup B,R - L - D 730 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L - - D 730 0 0 0 8.0 2405, 2535, 2838, 2840 .	ORGS	2935		В	<u> </u> -	Į.				<u> </u>			12.0		iels Edition		8028			
ORGS 2950 MACCS OV B,R - L 1460 4.0 8000, 8028, 8063, 2900, 2905, 2915, 2920, 2925, 2930, 2935, 2945 TOTAL ORGANIZATIONAL STRUCTURE SKILLS:STAGE (ORGS) 0 0 0 0 11 26.0 TOTAL GORE SKILL PHASE (2000/PHASE) 0 0 0 0 37 MISSION SKILL TRAINING (3000/PHASE EVENTS) TAGE OF FRATIONS AND TAGE INFRASTRUCTURE SKILL TRAINING (EVENTS TRACCOPS) AND (TAGCINF) DEPL 3000 Communications System Setup B,R - L - - D 730 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L 730 0 0 8.0 2405, 2535, 2838, 2840	ORGS	2940		В	+	L	ļ						ialiana.		TO CHOOSE					
ORGS 2950 MACCS OV B,R - L 1460 4.0 2910, 2915, 2920, 2925, 2930, 2935, 2945 TOTAL ORGANIZATIONAL STRUCTURE SKILLS:STAGE (ORGS) 0 0 0 0 11 26.0 TOTAL CORE SKILL PHASE (2000 PHASE) 0 0 0 0 37 MISSION SKILL TRAINING (3000 PHASE EVENTS) TAGE OFFRATIONS AND TAGE INFRASTRUCTURE SKILLTRAINING EVENTS (TACCOPS) AND (TACCINF) DEPL 3000 Communications System Setup B,R - L - - D 730 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L - 730 0 0 8.0 2405, 2535, 2838, 2840 .	ORGS	2945	HHQ Mission and Support Agencies	В	Ē	L				*			2,44		2010	2.0	8063			
TOTAL CORE SKILL PHASE (2000 PHASE)				'	-						* 31					4.0	2910, 2915, 2920, 2925, 2930, 2935, 2945		41/12	
MISSION SKILL TRAINING (3000 PHASE EVENTS) TACE OPERATIONS AND TACE INFRASTRUCTURE SKILLSTRAINING EVENTS (TACEOPS) AND (TACEINF)			TOTAL ORGANIZATIONAL STRUCTURE	SKILLS:	STAG	E (ORG	S) .		Langua	er and every	0	0_	0	0	•	26.0				Salar Care
MISSION SKILL TRAINING (3000 PHASE EVENTS) TAGE OPERATIONS AND TAGE INFRASTRUCTURE SKILLSTRAINING EVENTS (TAGEOPS) AND (TAGEINF)			TOTAL CORE SKILL PHASE (20	00 PHA	(SE)					Jak.									action in the	
DEPL 3000 Communications System Setup B,R - L - - D 730 0 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L				n. W		4-6-6	M	ISSION SKILI	TRAININ	G (3000 F	HASE	EVENTS).			une de la company			te fine	
DEPL 3000 Communications System Setup B,R - L - - D 730 0 0 4.0 2000, 2005, 2010, 2015, 2100, 2125, 2800 DEPL 3005 Prepare System Embark B,R - L 730 0 0 0 8.0 2405, 2535, 2838, 2840			TAG	GOPER	ATIO	NS AND	TAG	C INFRASTR	UGTURE S	KILLTRA	NING:	EVENTS	(TACC	OPS) A	ND (TA	CCINF)		217.000		10 St. 10
DELE SOOS PROPERTY OF THE PROP					-			_									2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800			
DEPL 3010 Deploy/Retrograde Maint Section B,R - L 730 0 0 0 8.0 2405, 2535, 2806, 2838, 2840, 3005	DEPL	3005	Prepare System Embark	B,R	-	L				730	(V)	0	1555	0	-5492 -5492	8.0	2405, 2535, 2838, 2840			
	DEPL	3010	Deploy/Retrograde Maint Section	B,R	-	L				730	esi,	0		0	1312 144	8.0				

MMGT	3100	Verify Maintenance Process	В		l	[*		0		0		2.0	2708			
MMGT	3105	Validate Float Assets	В	-	L				1095		0		0		2.0	2712			
MMGT	3110	Funding Requirements	В	Ţ-	L				*		0	Aurylli	0	23734	3.0	2714			
OMGT	3200	Develop Comm Plan ISO OPLAN	B,R	-	ι				730		0		0		2.0	2000, 2005, 2010, 2015, 2800, 2802			
OMGT	3202	COMM External Agencies	B,R	-	L				730	kji-2-47	0	180,041	0	i di	1.0	2130, 2135, 2140			
OMGT	3204	COMSEC Handling	B,R	-	L				730		0		0		1.0	2600, 2605, 2610, 2615, 2620			
OMGT	3206	Identify Operational Requirements	B,R	-	L				730	3550 mg/s 3550 mg/k	0	Services	0	ili esti.	40.0	2804, 2806, 2832			
OMGT	3208	Perform CBRN	B,R	-	l				365	1	0	2	0		5.0				
OMGT	3210	Understand Basic Maint Section Ops	B,R	-	l				1460		0	11.00	0		2.0	2500, 2722			
OMGT	3212	Understanding Basic Maint Section Deploy Considerations	B,R	-	L				1460		0	1955 K	0		2.0	2535, 2836			
ОМСТ	3214	Understand Advanced Maint Section Ops	B,R	-	L	- Line Line Line Line Line Line Line Line		·	1460		0		0		3.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			
OMGT	3216	Understanding Advanced Maint Section Deploy Considerations	B,R	-	L				1460		0		o		3.0	2100, 2105, 2110, 2120, 2125, 2500, 2535, 2722, 2800, 2838, 2840, 2836, 3000, 3005, 3208, 3210, 3212			
OMGT	3218	Understand Maint Sect Management	B,R	-	L	-	-	D	1460		0		0		4.0	2100, 2105, 2110, 2120, 2125, 2500, 2532, 2620, 2722, 2800, 2804, 2806, 2832, 2836, 3204, 3206, 3208, 3210, 3212, 3214, 3216			
	TOTAL	TAGE OPERATIONS AND TAGE INFRASTRUCTURES	KILLSS	TAGI	(TÁCCO	(PS)	AND (TACG	NF)		0	0	0	0	16	90.0				
		TOTAL MISSION SKILL PHASE (0	0	0	0	16	90.0				
	e province	Market Committee		77. L		MISS	ION PLUS SI	CLL TRAIN	IING (400	O PHA		VTS)	น้อนหน้า แบ	YaCi .	e e Nasalijalog E	rational survivos regionalization (see 1915)			o inches
	Barya.			t u			DIRECT	IR SUPPO	RT CENT	ER (DA	SC)	or of the	2000 m. Al	330	Finish (Age)				
DASC	4100	AN/GRC-242 PM	B, R	-		-	-	D	1460		0		0	#25 10.4 10.4	2.0	-	-	-	
	ne se la re	TOTAL DIRECT AIR SUPPORT CENTERS	KILLS S	TAG	E (DASC) .	Sir Const	de as	14 ,700 (0	0	0	0	1	2.0			erni Salva Sel	
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ABNC2	4305	AN/VRC-90D PM	B,R	Ţ					1460		0		0		2.0	2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
ABNC2	4310	AN/VRC-102 PM	B,R						1460		0		0		2.0	2410, 2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
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ABNC2	4330	AN/GRC 171B(v)4 CM	B,R		1460		0	0	2.0	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
ABNC2	4335	AN/VRC-90D CM	B,R	:	1460		0	0	2.0	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
ABNC2	4340	AN/VRC-102 CM	B,R		1460		o	0	2.0	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
ABNC2	4345	AN/PSC 5 CM	B,R		1460	100	0	0	2.0	2540, 2545, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-

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ABNC2	4355	AN/UYQ-3B Embark/Retrograde	B,R						730		0		0		8.0	4320, 6100, 2000, 2005, 2010, 2015, 2100, 2105, 2110, 2120, 2125, 2800, 3000, 2405, 2535, 2838, 2840, 3005, 3208, 2500, 2722, 3210, 3212, 2535, 2836	-	-	-
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DESG	6535	EMBARK CD	В	-	•	-	-	Ļ	*	100	0		0	S::::	2.0	2500, 2535, 2545	-	-	-
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2.17 <u>AVIATION TRAINING FORMS (ATF)</u>. This form is found within Appendix B of the C3 Course Catalog. The Course Catalog can be found on the MAWTS-1 website at the following URL.

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2.18 TRAINING DEVICE ESSENTIAL SUBSYSTEMS MATRIX (EESM). None.

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CHAPTER 3 TACTICAL DATA SYSTEMS ADMINISTRATOR/5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

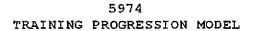
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CHAPTER 3

TACTICAL DATA SYSTEMS ADMINISTRATOR/5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

- 3.0 TACTICAL DATA SYSTEMS ADMINISTRATOR (TDSA) / 5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.
- 3.1 <u>5974 TRAINING PROGRESSION MODEL</u>. This model represents the recommended training progression for the average TDSA (5974)) crewmember. Units should use the model as a point of departure to generate individual training plans.



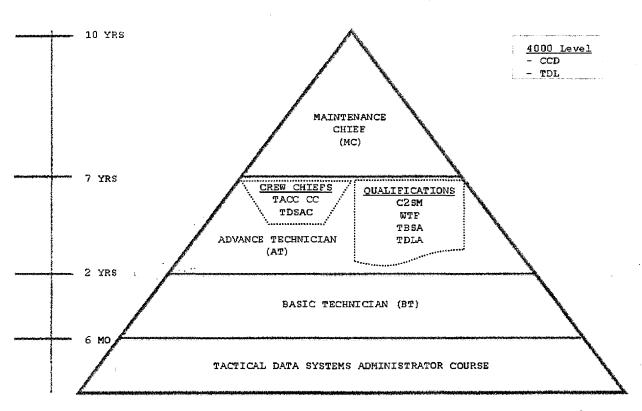


Figure 3-1. Tactical Data Systems Administrator (TDSA) (MOS 5974) Training Progression Model

3.2 ABBREVIATIONS

MTACS MAINTENANCE MOS 5974						
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS						
	CORE SKILL (2000 Phase)					
SHEL	SHELTERS					
NET	NETWORK					
AFATD	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM					
IOS	INTELLIGENCE OPERATION SERVER					
TBMCS	THEATER BATTLE MANAGEMENT CORE SYSTEM					
ADPE	AUTOMATED DATA PROCESSING EQUIPMENT					
CDLS	COMMUNICATION DATA LINK SYSTEM					
coc	COMBAT OPERATIONS CENTER					
LMSMT	LINK MANAGEMENT SYSTEMMULTI TADIL					
TMDE	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT					
PMCM	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE					
CD	COLLATERAL DUTIES					
COMSEC	COMMUNICATION SECURITY					
FAM	FAMILIARIZATION					
MMGT	MAINTENANCE MANAGEMENT					
OMGT	OPERATIONS MANAGEMENT					
ORGS	ORGANIZATIONAL STRUCTURE					
	MISSION SKILL (3000 Phase)					
TACCOPS	TACC OPERATIONS					
TACCINF	TACC INFRASTRUCTURE					
	CORE PLUS (4000 Phase)					
CCCD COMMON CONNECTIVITY DEVICE:						
	INSTRUCTOR (5000 Phase)					
81	BASIC INSTRUCTOR					
SI	SENIOR INSTRUCTOR					
WTI	WEAPONS AND TACTICS INSTRUCTOR					
CERT	IFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)					
C2SM	COMMAND AND CONTROL SYSTEMS MANAGER					
WTF	WAN TECHNICAL FACILITATOR					
TBSA	THEATER BATTLE MANAGEMENT CORE SYSTEM ADMINISTRATOR					
TDLA	TACTICAL DATA LINK ADMINISTRATOR					
TDSABT	TACTICAL DATA SYSTEMS BASIC ADMINISTRATION TECHNICIAN					
TDSAAT	TACTICAL DATA SYSTEMS ADVANCED ADMINISTRATION TECHNICIAN					
TDSAC	TACTICAL DATA SYSTEMS ADMINISTRATION CHIEF					
TACCMC	TACTICAL AIR COMMAND CENTER MAINTENANCE CHIEF					

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				

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.

		MTACS MA	INTENANCE MOS 5974		
	ATTAIN AND MAINTAIN	CORE/MIS	SION/CORE PLUS PROFIC	CIENCY MA	TRIX BY POI
	ATTAIN PR	OFICIENCY			MAINTAIN
	BASIC POI	R	FRESHER POI		PROFICIENCY
		CORE S	KILL (2000 Phase)		
STAGE	CODE	STAGE	CODE	STAGE	CODE
	2000				
	2005				
CULEI	2010	cue		SHEL	
SHEL	2015	SHEL		SHEL	
	2020R		#2020R		.2020R
	2025R				2025R // j
	2030R				2030R
	2035R		2035R		2035R
NET	2040R	NET	2040R	NET	2040R
	2045R		2045R		. 2045R a : 4 %
	2050				
	2055			45470	
AFATD	206DR	AFATD	2060R	A FATD	2060R 🗓
. ii w	2065R		2065R		2065R
	2075				
	2080R	100	2080R	IOS	2080R
I O S	2085R	105	-:		.2085R
	2090R		2090R 1		2090R
	2100				
	2102R		2102R	TBMCS	2102R
	2104R	TBMCS	-2104R		2104R
	2106R		2106R		2106R
TBMCS	2108R		2108R		2108R-
	2110R		2110R		2110R
	32112R		2112R		2112R
	2114R		. 2114R		2114R

****		MTACS MA	INTENANCE MOS 5974		···
	ATTAIN AND MAINTAIN	CORE/MIS	SION/CORE PLUS PROFIC	IENCY MA	TRIX BY POI
	ATTAIN PRO				MAINTAIN
	BASIC POI	RI	FRESHER POI		PROFICIENCY
	2116R		2116R		2116R
	2118R		2118R		2118R
	2120R		2120R		2120R
	2122R		2122R		2122R
	2124R		2124R		2124R
	2126R		2126R		2126R
	2130				
	2132R		210MGT-32R		.21 0MG T₃32R
ABDE	-2134R	ADDE	2134R	ADDE	2134R
ADPE	2136	ADPE		ADPE	
	2138R		'2138R		2138R
	72140R		2140R		2140R
	2150				
	2152	CDLS			
CDIC	2154R		.2154R	CDLS	2154R
CDLS	2156R		2156R		2156R. ^J
	2158R		/2158R		2158R
	2160R		2160R		.2160R
···	2170				
606	2172R	coc	2172R	coc	72172R
COC	2174R	COC	2174R		. 2174R
	.2176R		.2176R		2176R
	2180				
114514	2182R	1 N ACD AT	2182R	LMSMT	2182R
LMSMT	2184R	LMSMT	2184R		21 8 4R
	2186R		2186R		2186R
	, 2200				
TMDE	2225	TMDE		TMDE	
	2240				
	2400				
PMCM	2405	PMCM			
	2475			РМСМ	
	2480				
	2485				
CD.	2500	CD		CD	
CD	2505	CD		CD	

		MTACS MA	INTENANCE MOS 5974		•••
	ATTAIN AND MAINTAIN	CORE/MIS	SION/CORE PLUS PROFIC	CIENCY MA	TRIX BY POI
	ATTAIN PR	• •			MAINTAIN
	BASIC POI	RE	FRESHER POI	F	PROFICIENCY
	2510				
	2515				
	2520				
	2525				
	2530				
	2535				
	.: 2540R		2540R		2540R
	2545				
	2600R		2600R		₹2600R
	12605R		2605R		g: 16,42605R
COMSEC	2610R	COMSEC	2610R	COMSEC	2610R
	2615R		2615R	!	2615R
	2620R		- 2620R		26 2 0R
	2655				
FAM	2660R	FAM	2660R P F F	FAM	2660R
	2665				
	2700				
	2702				
	2704				
	2706R				
	2708				
	2710R		2710R		.2710R
	2712R		.2712R		2712R
	j. m		2714R		2714R
	2716				
	2718				
MMGT	7- 2720R	MMGT	2720R	MMGT	2720R
					.2722R
	2724				
	2726				
	2728R		,2728R		2728R
	2730R		2730R		2730R
	2732				
	2734				
	2736				
	2738				
	2740				

		MTACS MA	AINTENANCE MOS 5974		
	ATTAIN AND MAINTAIN	CORE/MIS	SION/CORE PLUS PROFIC	IENCY MA	TRIX BY POI
	ATTAIN PRO	FICIENCY			MAINTAIN
	BASIC POI	R	EFRESHER POI		PROFICIENCY
	2742				
	2744				
	2746R		2 746 R		.2746R
	2748R		2748R		.2748R
	2750				
	2752				
	2754				
	2756				
	2802				
	2804				
	2806R		2806R		2806R
	2830R		2830R		2830R
	2832R		7280MGT-32R		280MGT-32R
	2834				
	2836				
	2838R		실 [2838R] :		ुर्दी, द2838R
	2840R		⊒⊒ #2840R		\$ 2840R
	2842R		,2842R		2842R
	2844				
	2846				
	.2848R		2848R		2848R
OMGT	2850R	OMGT	2850R	OMGT	. 2850R
	2852R		.2852R		2852R
	2854R		其点		2854R
	2856R		.2856R		2856R
	. 2858R		. 2858R		2858R
	2860R		2860R		2860R
	2862R		7. 2862R		ે 2862R
	2864R		2864R		2864R
	2866R		2866R		2866R
	2868R		2868R.		2868R
	2870R		2870R		2870R
	2872R		上::::::::::::2872R		. 2872R
	/2874R		⊴ ∷\$ ∴2874R		ી∷ ∴:2874R
	2876R		-2876R		2876R
ORG S	2900	ORG5		ORGS	

	_	MTACS MA	INTENANCE MOS 5974		
	ATTAIN AND MAINTAIN	CORE/MIS	SION/CORE PLUS PROFI	CIENCY MA	TRIX BY POI
ATTAIN PROFICIENCY					MAINTAIN
	BASIC POI	RE	FRESHER POI	F	PROFICIENCY
	2905				
	2910				
	2915				
	2920				
	2925				
	2930				
	2935				
	2940				
	2945	•			
	===2950R*		2950R		jj. ij ji2950R
	T	MISSION	SKILL (3000 Phase)		
STAGE	CODE	STAGE	CODE	STAGE	CODE
	LDEPL-3005R		3005R		3005R
	DEPL-3010R		3010R		3010R
	MMGT-3100		ELINDANIS CONTRARACIONIS PARA PARA		
	-MMGT-3105R		3105R		3105R
	MMGT-3110		manusa di abiso di manusa di	•	
	(OMGT-3204R -)		* OMGT-3204R		OMGT-3204R
	- *OMGT:3206R		OMGT-3206R		. ≪OMGT=3206R
	OMGT-3208R		-OMGT-3208R		3-160MGT-3208R
	OMGT-3210R		OMGT-3210R		COMGT-3210R -
	#OMGT-3212R		OMGT-3212R		IOMGT-3212R
	OMGT-3214R		OMGT-3214R		OMGT-3214R
	OMGT-3216R		OMGT-3216R		#OMGT-3216R
ACCOPS		TACCOPS	OMGT-3218R	TACCOPS	OMGT-3218R
	OMGT-3222R		OMGT-3222R		OMGT-3222R
	I OMGT-3224R		OMGT-3224R		# 0MGT-3224R
	- , OMGT-3226R		OMGT-3226R		OMGT-3226R
	OMGT-3228R				OMGT-3228R
	J. OMGT-3230R		DMGT-3230R		MOMGT_3230R
	OMGT-3232R		OMGT-3232R		OMGT-3232R
	OMGT-3234R		. OMGT-3234R		.OMGT-3234R
			OMGT-3236R		*OMGT-3236R
	.OMGT-3238R		OMGT-3238R		OMGT-3238R
	OMGT-3240R		::::OMGT-3240R		OMGT-3240R
	OMGT-3242R		OMGT-3242R		*OMGT-3242R
	OMGT-3244R		OMGT-3244R		OMGT-3244R

ATTAIN AND MAINTAIN ATTAIN PR	CORE/MIS	SION/CORE PILIS PROFIL	CIENCY MAT	
ATTAIN PR			CILITAL IVIA	TRIX BY POI
	OFICIENCY	·		MAINTAIN
BASIC POI	RE	FRESHER POI	P	ROFICIENCY
DEPL-3005R		DEPL-3005R		DEPL-3005R
DEPL-3010R		DEPL-3010R		DEPL-3010R
MMGT-3100				
MMGT-3105R		*MMGT-3105R		MMGT-3105R
MMGT-3110				Parks I was transported a medicare
OMGT-3204R		OMGT-3204R		OMGT-3204R
OMGT-3206R		OMGT-3206R		OMGT-3206R
OMGT-3208R				©MGT-3208R
OMGT-3210R		OMGT-3210R		OMGT-3210R
OMGT-3212R		OMGT-3212R		OMGT-3212R
OMGT-3214R		OMGT-3214R		OMGT-3214R
≓OMGT-3216R		- OMGT-3216R		OMGT-3216R
OMGT-3218R	TACCINE	OMGT-3218R	TACCINF	40MGT:3218 R
*OMGT-3222R		OMGT-3222R		OMGT-3222R
IOMGT-3224R		OMGT-3224R		OMGT-3224R
*OMGT-3226R		OMGT-3226R		*OMGT=3226R
OMGT-3228R		FOMGT-3228R		#@MGT=3228R
-:OMGT-3230R		OMGT-3230R		OMGT-3230R
OMGT-3232R		OMGT-3232R:		OMGT-3232R
OMGT-3234R		OMGT-3234R		OMGT-3234R
OMGT-3236R		OMGT-3236R		OMGT-3236R
OMGT-3238R		OMGT=3238R		OMGT-3238R
OMGT-3240R		OMGT-3240R		 ZOMGT-3240R
fØMGT-3242R		OMGT-3242R	 •	OMGT-3242R*
OMGT:3244R		OMGT-3244R		OMGT-3244R
,	CORE	PLUS (4000 Phase)		
CODE	STAGE	CODE	STAGE	CODE
4005				
4010R		4010R		4010R
4015R	CCD	-4015R	CCD	4015R
4020R	CCD	4020R	CCU	4020R
4025R		4025R		4025R
4030R		-4030R		4030R 256
"S" PRE	FIX AND BL	UE FONT = SIMULATOR	EVENT	
	MMGT-3100 MMGT-3105R MMGT-3105R MMGT-3105R MMGT-3204R OMGT-3206R OMGT-3208R OMGT-3210R OMGT-3212R OMGT-3214R OMGT-3214R OMGT-3218R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3238R OMGT-3238R OMGT-3238R OMGT-3238R OMGT-3238R OMGT-3238R OMGT-3240R OMGT-3240R OMGT-3240R OMGT-3240R OMGT-3240R OMGT-3240R OMGT-32540R OMGT-32540R OMGT-326R OMGT-326R OMGT-3270R OMGT-32	MMGT-3100 MMGT-3105R MMGT-3110 OMGT-3204R OMGT-3206R OMGT-3210R OMGT-3212R OMGT-3214R OMGT-3218R TACCINF OMGT-3222R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-32328R OMGT-3230R OMGT-3230R OMGT-3238R OMGT-3238R OMGT-3234R OMGT-3238R COMGT-324R COMGT-3240R TOMGT-3240R TOMGT-3240R TOMGT-3240R CORE STAGE 4005 4015R CCD 4020R CCD 4020R CCD	MMGT-3100 MMGT-3105R MMGT-3105R MMGT-3110 OMGT-3204R OMGT-3206R OMGT-3208R OMGT-3208R OMGT-3210R OMGT-3210R OMGT-3212R OMGT-3214R OMGT-3214R OMGT-3214R OMGT-3214R OMGT-3218R TACCINF OMGT-3218R OMGT-3224R OMGT-3224R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3228R OMGT-3238R OMGT-3244R CORE PLUS (4000 Phase) CODE 4005 4015R CCD 4025R 4025R 4025R 4025R 4030R "S" PREFIX AND BLUE FONT = SIMULATOR	MMGT-3100 MMGT-3105R MMGT-3105R MMGT-3110 OMGT-3204R OMGT-3206R OMGT-3208R OMGT-3208R OMGT-3210R OMGT-3210R OMGT-3214R OMGT-3214R OMGT-3214R OMGT-3214R OMGT-3218R TACCINF OMGT-3222R OMGT-3222R OMGT-3228R OMGT-3222R OMGT-3228R OMGT-3222R OMGT-3228R OMGT-3228R OMGT-3232R OMGT-3238R OMGT-3240R OMGT-3240R OMGT-3240R OMGT-3242R OMGT-3240R CODE STAGE CODE STAGE 4015R CCD 4020R A025R

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

1	TACS MAINTENANCE MOS 5974 UCTOR DESIGNATIONS (5000 Phase)
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020
SENIOR INSTRUCTOR (SI)	5100, 5110, 5120, 5130, M-SHARP FORMAL TRAINING, 6240
WEAPONS AND TACTICS INSTRUCTOR (WTI)	SCHL 6000

3.5.2 Requirements, Certifications, Qualifications, and Designations

	MTACS MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)
RCQD	EVENTS
C2SM QUAL	2000, 2005, 2010, 2015, 2020, 2025, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2130, 2132, 2134, 2136, 2138, 2140, 2170, 2172, 2174, 2176, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3228, 3230, 3234, 6475
WTF QUAL	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3222, 6480
TBSA QUAL	2000, 2005, 2010, 2015, 2020, 2025, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3224, 6485
TDLA QUAL	2000, 2005, 2010, 2015, 2020, 2025, 2150, 2152, 2154, 2156, 2158, 2160, 2180, 2182, 2184, 2186, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 2714, 2728, 2744, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 3232, 3236, 6490
TDSBT QUAL	2000, 2500, 2520, 2535, 2722, 2756, 2806, 2836, 3208, 3210, 3212, 3242
TD\$AT QUAL	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2750, 2752, 2754, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242
Basic Instructor (BI) DESG	5000, 5010, 5020
Senior Instructor (SI) DESG	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320
TDSACC DESG	2030, 2035, 2040, 2045, 2850, 3208, 3238, 3240, 8000, 8020
TACC MC DESG	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2530, 2535, 2540, 2600, 2605, 2610, 2615, 2620, 2708, 2710, 2712, 2714, 2722, 2738, 2804, 2806, 2832, 2836, 2838, 2840, 2850, 3005, 3100, 3105, 3110, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3238, 3240, 3242, 3244, 8060, 8080, MCI 0410, MCI 0414, SCHL-6020, SCHL-6021
SAFETY CD	
DESG	2500, 2525, 2530
HAZMAT CD DESG	2500, 2525, 2530
PUB CD DESG	2500, 2520
TRAINING CD	
DESG	2500
TOOLS CD	2500, 2515, 2545

DESG		
CAL CD DESG	2500, 2505, 2545, MCI 287	
MOD CD		
DESG	2500, 2510, 2 545	
EMBARK CD		
DESG	2500, 2535, 2545	
MIMMS CD		
DESG	2500, 2540, 2545, MCI 0410	
QC CD DESG	2500	

3.6 $\underline{5974}$ 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.

3.6.1 Basic POI

MTACS MAINTENANCE 5974 BASIC POI			
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE	
1-33	CORE SKILL INTRODUCTION TRAINING	MCCES	
		TACTICAL	
34-58	CORE SKILL TRAINING	SQUADRON	
		TACTICAL	
59-82	MISSION SKILL TRAINING	SQUADRON	
		TACTICAL	
83-88	CORE PLUS	SQUADRON	

3.6.2 Refresher POI

MTACS 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 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

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.
СВТ	Computer Based Training
LAB	Laboratory
LEC	Lecture
СР	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 tactica 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.

3.7.3 Program of Instruction Matrix.

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI) Symbol Aviation Ground		
Basic	В	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CPP by initial POI assignment are reassigned 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 CORE SKILL INTRODUCTION PHASE (1000 Phase)

3.8.1 <u>Purpose.</u> 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).

3.8.2 <u>General</u>

- 3.8.2.1 <u>Prerequisite.</u> Be a graduate of the Basic Electronics Course (CID:M092721) and meet the requirement delineated in the MOS Manual.
- 3.8.2.2 <u>Admin Notes.</u> Tactical Data Systems Administrator Course, (CID: ???), MCCES, located in 29 Palms, CA. This program of instruction can be viewed at https://www.29palms.usmc.mil/tenants/mcces/mcceshome.asp
- 3.8.2.3 <u>Stages.</u> The following stages are included in the Core Skill Introduction Phase of training.

100	PAR NO.	STAGE NAME
	3.8.3	TACTICAL DATA SYSTEMS ADMINISTRATOR (TDSA)

3.8.3 TACTICAL DATA SYSTEMS ADMINISTRATOR (TDSA) STAGE

3.8.3.1 <u>Purpose.</u> To train entry level personnel and lateral move NCOs in the duties of Tactical Data Systems Administration.

3.8.3.2 <u>General</u>

Prerequisite. Per the MOS Manual, MCO 1200.17.

Admin Notes. NONE.

Crew Requirements: NONE.

TDSA-1000 2.0 B

L

Goal. Identify the function of a Marine Air Wing (MAW).

Requirement. Identify the following:

- 1. Organization of the MAW.
 - 2. Six functions of Marine Aviation.

Performance Standard. Without the aid of reference, pass a written examination with 80% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. Marine Net EWS-Marine Air Command and Control Systems course code-7201A0

TDSA-1002 2.0 B

L

Goal. Identify the functions of the Marine Air Command and Control Squadron (MACCS).

Requirement. Identify the following:

- 1. Function of the Tactical Air Command Center (TACC).
- 2. Function of the Tactical Air Operations Center (TAOC).
- 3. Function of the Early Warning and Control Detachment (EWC).
- 4. Function of the Marine Air Traffic Control Detachment (ATC).
- 5. Function of the Direct Air Support Center (DASC).
- 6. Function of the Unmanned Aerial System (UAS).
- 7. Primary mission of Low Altitude Air Defense (LAAD)BN.
- 8. Secondary mission of Low Altitude Air Defense (LAAD) BN.
- 9. Mission of Marine Wing Communication Squadron. (MWCS).

Performance Standard. Without the aid of reference, pass a written examination with 80% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. MCWP 3-25.5
- 4. MCWP 3-25.7
- 5. MCWP 3-25.8
- 6. MCWP 3-25.10
- 7. MCWP 3-42.1

TDSA-1004 2.0 B

Goal. Identify TDSA duties at MACCS agencies.

Requirement. Identify the:

1. Tactical Data System (TDS) at each unit.

2. Responsibility of TDSA at each unit.

<u>Performance Standard</u>. Without the aid of reference, pass a written examination with 80% accuracy.

TDSA-1006 22.0

В

T.

<u>Goal</u>. Describe Defense Information Infrastructure Common Operating Environment (DII-COE) 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.
- 16. Describe Windows script files.

 $\underline{\text{Performance Standard}}.$ Without the aid of reference, pass a written examination with 80% accuracy.

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

TDSA-1008 28.0

В

L

Goal. Manage DII-COE 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. Utilize Windows administrative tools.
- 7. Configure On board RAID controller.
- 8. Install Windows Operating System.

- 9. Manage memory on Windows systems.
- 10. Manage processes on Windows systems.
- 11. Manage local users.
- 12. Create Windows back-ups.
- 13. Perform recovery of Windows from backup.
- 14. Analyze Windows script files.
- 15. Edit Windows Script files.

<u>Performance Standard</u>. With the aid of reference, pass a performance exam with 100% accuracy.

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

TDSA-1010 25.0 (*) B

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Goal. Describe DII-COE 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 users accounts.

<u>Performance Standard</u>. Without the aid of reference, pass a written examination with 80% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. Unix in a Nutshell ISBN # 1-56592-001-5
- 4. Essential System Administration 3rd edition ISBN # 0-596-0034-9
- 5. Essential System Administration 2nd edition ISBN #0-937175-80-3
- 6. Essential System Administration ISBN # 0-937175-80-3
- 7. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
- 8. Marine Net- Memory, Motherboards, and Processors course

code- 123905

TDSA-1012 44.0 (*) B

<u>Goal</u>. Manage DII-COE 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. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. Unix in a Nutshell ISBN # 1-56592-001-5
- 4. Essential System Administration $3^{\rm rd}$ edition ISBN # 0-596-0034-9 5. Essential System Administration $2^{\rm nd}$ edition ISBN #0-937175-80-3
- 6. Essential System Administration ISBN # 0-937175-80-3
- 7. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
- 8. Marine Net- Memory, Motherboards, and Processors course code- 123905

TDSA-1014 22.0 (*) B

Goal. Describe Tactical Data Systems (TDS) Networks.

Requirement. Conduct the following:

- 1. Identify Transfer Control Protocol/Internet Protocol (TCP/IP) layers.
- Identify TCP/IP protocols.
- 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).

<u>Performance Standard</u>. Without the aid of reference, pass a written examination with 80% accuracy.

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
- 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

TDSA-1016 9.0 (*) B

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Goal. Configure Tactical Data Systems (TDS) Networks.

Requirement. Conduct the following:

- 1. Assemble Cat-5E cables.
- 2. Configure routers through the console.
- 3. Configure routers via telnet.
- 4. Configure routers via Trivial File Transfer Protocol(TFTP).
- 5. Configure Switches.

<u>Performance Standard</u>. With the aid of reference, pass a performance exam with 100% accuracy.

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
- 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

TDSA-1018 13.0 (*) B

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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.

Performance Standard. Without the aid of reference, pass a written examination with 80% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. Active Directory ISBN #0-596-00466-4
- 4. Managing NFS and NIS ISBN #0-937175-75-7
- 5. Kerberos the definitive guide ISBN #0-596-00403-6
- 6. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
- 7. Marine Net Basic Networking course code-123906
- 8. Solaris Performance administration ISBN #0-07-011768-3
- 9. Essential System Administration 3rd edition ISBN #0-596-0034-9
- 10. Essential System Administration 2nd edition ISBN #0-937175-80-3
- 11. Essential System Administration ISBN # 0-937175-80-3
- 12. Solaris 2.6 Administration certification part 1 ISBN 1-57870-085-x
- 13. Solaris Essential reference ISBN #0-7357-0023-0
- 14. Solaris 2.x for Managers and Administrators ISBN 1-56690-150-2

TDSA-1020 24.0 (*) B

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Goal. Manage Networked Operating Systems (NOS).

Requirement. 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.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. MCWP 3-25.3
- 2. MCWP 3-25.4
- 3. Active Directory ISBN #0-596-00466-4
- 4. Managing NFS and NIS ISBN #0-937175-75-7
- 5. Kerberos the definitive guide ISBN #0-596-00403-6
- 6. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
- 7. Marine Net Basic Networking course code-123906
- 8. Solaris Performance administration ISBN #0-07-011768-3
- 9. Essential System Administration 3^{rd} edition ISBN # 0-596-0034-9
- 10. Essential System Administration 2nd edition ISBN #0-937175-80-3
- 11. Essential System Administration ISBN # 0-937175-80-3
- 12. Solaris 2.6 Administration certification part 1 ISBN #1-57870-085-x
- 13. Solaris Essential reference ISBN #0-7357-0023-0
- 14. Solaris 2.x for Managers and Administrators ISBN #1-56690-150-2

TDSA-1022 7.0 (*) В Goal. Describe Network Security. Requirement. 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 ACL. 6. Describe VPN. 7. Describe ISA2K server. Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy. Reference 1. MCWP 3-25.3 2. MCWP 3-25.4 3. Cisco IOS in a nutshell ISBN #0-596-00869-4 4. Managing NFS and NIS ISBN #0-937175-75-7 5. Networking for dummies ISBN #0-7645-0498-3 6. Exchange Server Cook Book ISBN #0-596-00717-5 TDSA-1024 9.0 (*) _B Goal. Configure Network Security. Requirement. Conduct the following: 1. Configure computer security components. 2. Configure security on switches. 3. Configure security on routers. 4. Construct ACL. 5. Install Internet Security Administration 2000 (ISA2K). 6. Configure ISA2K. Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy. Reference 1. MCWP 3-25.3 2. MCWP 3-25.4 3. Cisco IOS in a nutshell ISBN #0-596-00869-4 4. Managing NFS and NIS ISBN #0-937175-75-7 5. Networking for dummies ISBN #0-7645-0498-3 6. Exchange Server Cook Book ISBN #0-596-00717-5

TDSA-1026 20.0 (*) B

Goal. Describe Communication Data-link Processor (CDLS) Processors.

Requirement. Describe the following:

1. Describe the function(s) of the CDLS.

- 2. Describe CDLS processors.
- 3. Describe the installation CDLS processors.
- 4. Describe the Configuration of CDLS processors.
- 5. Describe Air Defense System Integrator (ADSI) utilities
- 6. Describe TSDW operation.
- 7. Describe AN/CYZ procedures.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

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

TDSA-1028 6.0 (*) B

Goal. Describe Link-11.

Requirement. Describe the following:

- 1. Describe the function of Link-11.
- 2. Describe the function of the MX-512P.
- 3. Describe the function of the KG-40.
- 4. Describe the function of the AN/GRC-171 UHF radio.
- 5. Describe the antenna for the AN/GRC-171 UHF radio.
- 6. Describe the function of the AN/GRC-256 HF radio.
- 7. Describe the antenna for the AN/GRC-256 HF radio.
- 8. Describe Configuration of ADSI utilities for Link-11.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

Reference

- 1. MIL-STD 6011A
- 2. TM M1108
- 3. KG-40A User's Manual
- 4. TM 09780A-13 P/1
- 5. TM 8076000505
- 6. ADSI Installation and Configuration Guide

TDSA-1030 6.0 (*) B

Goal. Establish Link-11.

Requirement. Conduct the following:

- 1. Configure the MX-512P.
- 2. Configure the KG-40.
- 3. Configure the AN/GRC-171 UHF radio.
- 4. Configure the AN/GRC-256 HF radio.
- 5. Initialize Link-11.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

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

TDSA-1032 5.0 (*) B

Goal. Describe Link-11B.

Requirement. Conduct the following:

- 1. Describe the function of Link-11B.
- 2. Describe modem operations.
- 3. Describe the APC V.23 modem.
- 4. Describe the function of KIV-7.
- 5. Describe Configuration of ADSI utilities for Link-11B.
- 6. Describe NATO Link 1.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

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

TDSA-1034 6.0 (*) B . . L

Goal. Establish Link-11B.

Requirement. Conduct the following:

- 1. Configure the APC V.23 modem.
- 2. Configure KIV-7.
- 3. Initialize Link-11B.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. ADSI Hardware Description Document
- 2. KIV-7 HSB User's Manual
- 3. ADSI Installation and Configuration Guide

TDSA-1036 3.0 (*) B L

Goal. Describe Link-16.

Requirement. Describe the following:

- 1. Describe the function of Link-16.
- 2. Describe the function of the AN/URC-107 JTIDS Terminal.

- 3. Describe the components of the AN/URC-107 JTIDS Terminal.
- 4. Describe Configuration of ADSI utilities for Link-16.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

Reference

- 1. MIL-STD 6016
- 2. TM 5985-24/27
- 3. ADSI Installation and Configuration Guide

TDSA-1038 3.0 (*) B

Goal. Establish Link-16.

Requirement. Conduct the following:

- 1. Configure the AN/URC-107 JTIDS Terminal.
- 2. Initialize Link-16.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. TM 5985-24/27
- 2. ADSI Installation and Configuration Guide

TDSA-1040 1.0 (*) B

Goal. Describe Joint Range Extension Application Protocol (JREAP).

Requirement. Describe the following:

- 1. Describe the function of JREAP-A.
- 2. Describe the function of JREAP-B.
- 3. Describe the function of JREAP-C.
- 4. Describe hardware needed to establish JREAP-A.
- 5. Describe hardware needed to establish JREAP-B.

Performance Standard. Without the aid of the references, pass a written examination with 80% accuracy.

Reference

- 1. MIL-STD 3011 Appendix A
- 2. MIL-STD 3011 Appendix B
- 3. MIL-STD 3011 Appendix C

TDSA-1042 2.0 (*) B

Goal. Establish Joint Range Extension Application Protocol (JREAP).

Requirement. Conduct the following:

- 1. Configure ADSI utilities for JREAP-A.
- 2. Configure ADSI utilities for JREAP-B.
- 3. Configure ADSI utilities for JREAP-C.

4. Initialize JREAP-C.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference. ADSI Installation and Configuration Guide

TDSA-1044 3.0 (*) B

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.

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

TDSA-1046 3.0 (*) B

Goal. Establish Intel Links.

Requirement. Conduct the following:

- 1. Configure the CTT-H3.
- 2. Initialize IBS-I.
- 3. Initialize IBS-S.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. TM 10389-12
- 2. ADSI Installation and Configuration Guide and TIPOFF NT Manual

TDSA-1048 3.0 (*) B

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. Without the aid of the reference, pass a written examination with 80% accuracy.

Reference. Operator Training for LMS-MT

TDSA-1050 4.0 (*) B

Goal. Configure the Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Conduct the following:

- 1. Install the LMS-MT software.
- 2. Configure the LMS-MT software.
- 3. Configure the LMS-MT hardware.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference. Operator Training for LMS-MT.

TDSA-1052 3.0 (*) B L

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. Without the aid of the reference, pass a written examination with 80% accuracy.

Reference.

- 1. TM-09858A/10275A-13/1
- 2. SL-3-10753C

TDSA-1054 5.0 (*) B

Goal. Configure Intelligence Operations Server (IOS).

Requirement. Configure the following:

- 1. Configure the IOS.
- 2. Configure CST channels.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference. TM-09858A/10275A-13/1

TDSA-1056 2.0 (*) B Goal. Describe Army 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 to other TDS configuration. Performance Standard. Without the aid of the reference, pass a written examination with 80% accuracy. Reference. 1. TM 7025-OR/1 2. TM 7025-OR/2 3. TM 7025-OR/3 4. SL-3-11069A TDSA-1058 3.0 (*) B L Goal. Configure Army Field Artillery Tactical Data System (AFATDS). Requirement. Configure the AFATDS. Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy. Reference. TM 7025-OR/1 2. TM 7025-OR/2 3. TM 7025-OR/3 TDSA-1060 4.0 (*) B Goal. Describe TBMCS. Requirement. Describe the following: 1. Describe TBMCS. 2. Describe TBMCS web remotes. 3. Describe TBMCS applications. Performance Standard. Without the aid of references, pass a written examination with 80% accuracy. Reference 1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration 2. TBMCS Software Users Manual 3. LOAD APP C - TACC 4. TBMCS Spiral 1.1.3 Sums TDSA-1062 4.0 (*) B

Goal. Configure TBMCS remotes.

Requirement. Configure the following:

- 1. Configure TBMCS remote.
- 2. Configure TBMCS applications.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference

- 1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration
- 2. TBMCS Software Users Manual
- 3. LOAD APP C TACC
- 4. TBMCS Spiral 1.1.3 Sums

TDSA-1064 4.0 (*) B L

Goal. Describe the Combat Operations Center (COC) operations trailer.

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. Without the aid of references, pass a written examination with 80% accuracy.

Reference. COC Manuals

TDSA-1066 6.0 (*) B

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Goal. Install COC operations trailer.

Requirement. Conduct the following:

- 1. Cable the COC operations trailer.
- 2. Install COC Windows servers.
- 3. Install COC Unix servers.

Performance Standard. With the aid of reference, pass a performance exam with 100% accuracy.

Reference. COC Manuals

TDSA-1068 2.0 (*) B

Goal. Configure COC operations trailer.

Requirement. Configure the following:

- 1. Configure Random Array of Independent Disks (RAID) Devices.
- 2. Configure Video Server.

<u>Performance Standard</u>. With the aid of reference, pass a performance exam with 100% accuracy.

Reference. COC Manuals

3.9 CORE SKILL PHASE (2000 Phase)

- 3.9.1 <u>Purpose</u>. 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 TACC.
- (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 TACC.
- (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 TACC Maintenance Chief the skills necessary to run a TACC Maintenance section.

3.9.2 General

3.9.2.1 Prerequisite.

- (1) <u>Tactical Data Systems Basic Technician (TDSBT)</u>. Core Skill Introduction training must be completed prior to beginning BT training.
- (2) <u>Tactical Data Systems Basic Administration Technician (TDSAAT)</u>. Be qualified as a TDSBT prior to beginning TDSAAT training.
- (3) <u>Tactical Data Systems Administration Chief (TDSAC)</u>. 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.

3.9.2.2 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.
 - 3.9.2.3 Stages. The following stages are included in the Core Skill Phase of training.

PAR NO.	STAGENAME
3.9.3	SHELTERS (SHEL)
3.9.4	NETWORK (NET)
3.9.5	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATD)
3.9.6	INTELLIGENCE OPERATION SERVER (IOS)
3.9.7	THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS)
3.9.8	AUTOMATED DATA PROCESSING EQUIPMENT (ADPE)
3.9.9	COMMUNICATION DATA LINK SYSTEM (CDLS)
3.9.10	COMBAT OPERATIONS CENTER (COC)
3.9.11	LINK MANAGEMENT SYSTEM-MULTI TADIL (LMSMT)
3.9.12	TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE)
3.9.13	PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM)
3.9.14	COLLATERAL DUTIES (CD)
3.9.15	COMMUNICATION SECURITY (COMSEC)
3.9.16	FAMILIARIZATION (FAM)
3.9.17	MAINTENANCE MANAGEMENT (MMGT)
3.9.18	OPERATIONS MANAGEMENT (OMGT)
3.9.19	ORGANIZATIONAL STRUCTURE (ORGS)

3.9.3 SHELTERS (SHEL) STAGE

3.9.3.1 <u>Purpose.</u> To teach the trainee the characteristics of unit specific shelters and how to cable them.

3.9.3.2 General

Prerequisite. Complete the TMDE stage (2200, 2225, 2240).

Admin Notes. NONE

Crew Requirements: NONE

SHEL-2000 10.0 (*) B (1) 3-IN-1 (1) MERWS (1) ISO shelter ___L

Goal. Describe TACC organic shelters.

Requirement. Provided one 3-IN-1, one MERWS, and one ISO shelter, and the Unit TO&E, the trainee shall be given a physical tour of each shelter and conduct the following for each:

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

<u>Performance Standard</u>. With the aid of reference, identify the requirement items Instructor shall ensure the trainee is given a tour of the shelters.

Instructor. BI, SI

Prerequisite. 2200, 2225, 2240

Reference

- 1. Unit TO&E
- 2. Shelter Technical Manuals

SHEL-2005 2.0 (*) B (1) ISO SHELTER L

Goal. Emplace shelter.

Requirement. Given a site diagram and a shelter:

- 1. Emplace shelter according to site diagram.
- 2. Level shelter as required.

<u>Performance Standard</u>. With the aid of reference, emplace a shelter IAW the site diagram.

Instructor. BI, SI

Prerequisite. 2000, 2200, 2225, 2240

External Support. Material handling equipment.

Reference.

- 1. Site diagram.
- 2. Applicable Technical Manual

SHEL-2010 4.0 (*) B (1) ISO SHELTER, (1) GROUND TESTER L

Goal. Establish grounds on a unit specific shelters.

Requirement. Given the reference and while adhering to safety procedures, establish grounding on one of the unit shelter as follows:

- Identify the grounding requirements.
- 2. Install grounding rods.
- 3. Create grounding pits.
- 4. Connect grounding braids/cables.
- 5. Test grounds with TMDE.

Performance Standard. With the aid of reference, establish grounding on a shelter to no more than 8 ohms

Instructor. BI, SI

Prerequisite. 2000, 2200, 2225, 2240

Reference. TM 9406-15 Grounding Procedures Manual

SHEL-2015 2.0 (*) B

(1) ISO SHELTER

Goal. Cable one unit shelter for power.

Requirement. Given references, cables, and one unit shelter:

- 1. Connect power cable.
- 2. Energize specified section.

Performance Standard. With the aid of reference, complete the requirement and ensure shelter is safely energized.

Instructor. BI, SI

Prerequisite. 2000, 2010, 2200, 2225, 2240

Reference. Applicable Technical Manual.

SHEL-2020 4.0 (365)

B,R (1) 3-IN-1 SHELTER L

Goal. Emplace and power a 3-IN-1 shelter.

Requirement. Given the site diagram, a 3-IN-1 shelter with required cables, and grounding kit, complete the following IAW the references:

- 1. Place 3-IN-1 shelter.
- 2. Level unexpanded shelter.
- 3. Expand Shelter.
- 4. Connect lighting subsystems.
- 3. Connect Power Cable.
- 4. Ground Shelter.
- 5. Connect internal power harness.
- 6. Energize specified section.

Performance Standard. With the aid of reference, emplace and level the 3-IN-1 Shelter. The shelter is cabled and energized on the side specified by the instructor.

Instructor. BI, SI

Prerequisite. 2000, 2010, 2015, 2200, 2225, 2240

External Support. Heavy Equipment (HE)

Reference

- 1. Applicable Technical Manual
- 2. Site diagram.

SHEL-2025 8.0 (365) B,R (1) MERWS SHELTER

Goal. Emplace and power a Modular Expandable Rigid Wall Shelter (MERWS) shelter.

Requirement. Given the site diagram, a MERWS shelter with required cables, and grounding kit, complete the following IAW the references:

- 1. Place MERWS shelter.
- 2. Level unexpanded shelter.
- 3. Expand Shelter.
- 4. Connect lighting subsystems.
- 3. Connect Power Cable.
- 4. Ground Shelter.
- 5. Connect internal power harness.
- 6. Energize specified section.

Performance Standard. With the aid of reference, emplace and level the MERWS Shelter. The shelter is cabled and energized on the side specified by the instructor.

Instructor. BI, SI

Prerequisite. 2000, 2010, 2015, 2200, 2225, 2240

External Support. Heavy Equipment (HE)

Reference

- 1. Applicable Technical Manual
- 2. Site diagram.

3.9.4 NETWORK (NET) STAGE

3.9.4.1 Purpose. To teach the trainee how to setup network equipment, install a local area network, configure network security, and manage a tactical data network.

3.9.4.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

NET-2030 2.0 (1460) B,R

Goal. Identify the network equipment.

Requirement. Given the listed network equipment (hardware and software) in Chapter 7.2 and Table 7-1 of the reference, conduct the following:

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

Performance Standard. Without the aid of reference, identify the network equipment as applicable.

Instructor. BI, SI

Reference.

1. Trusted Facilities Manual

NET-2035 8.0 (365) B,R (1) TDS L

Goal. Setup TDS network equipment.

Requirement. Given a locally developed site diagram, applicable references, materials, and required TDS equipment conduct 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. With the aid of reference, setup the TDS network equipment. Instructor will ensure the equipment properly setup and operational.

Instructor. BI, SI

Prerequisite. 2030

Reference.

- 1. Site diagram
- 2. TBMCS Perimeter Security Administration (PSA) SUM

NET-2040 8.0 (365) B,R (1) ROUTER (1) SWITCH (1) COMPUTER L

Goal. Establish a Local Area Network.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment conduct the following:

- 1. Install operating systems.
- 2. Install System Specific Software.
- 3. Configure switch.
- 4. Configure router.
- 5. Configure network time server.
- 6. Configure TDS to use network time.
- 7. Conduct connectivity checks.

Performance Standard. With the aid of reference, establish a Local Area Network. Instructor will ensure the network is setup and operational. Completion of the Tactical Data Systems Administrator Managers Course at MCCES satisfies the standard.

Instructor. BI, SI

Prerequisite. 2030, 2035

Reference.

- 1. Site diagram
- 2. TBMCS Perimeter Security Administration (PSA) SUM

NET-2045 19.0 (365)

B,R (1) TBMCS

Goal. Configure network security.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct 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.
- Install COC Firewall.
- 3. Configure COC Firewall.

Performance Standard. With the aid of reference, configure network security by completing the requirement. Instructor will ensure the network is setup and operational. Completion of the Tactical Data Systems Administrator Managers Course at MCCES satisfies the standard.

Instructor. BI, SI

Prerequisite. 2030, 2035, 2040

Reference

- 1. Site diagram
- 2. TBMCS PSA SUM
- 3. TBMCS SEC SUM
- 4. COC IETM

ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (ATATD) STAGE 3.9.5

3.9.5.1 Purpose. To teach the trainee how to setup, install, perform configuration management and systems administration on the Advanced Field Artillery Tactical Data System (AFATDS).

3.9.5.2 <u>General</u>

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

AFATD-2050 2.0 (*) <u>B</u> (1) AFATDS

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. Without the aid of reference, identify the requirement items.

Instructor. BI, SI

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

AFATD-2055 2.0 (*) B (1) AFATDS

_____L

Goal. Setup AFATDS Equipment.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment:

- 1. Emplace components.
- 2. Cable components

- 3. Energize components.
- 4. Conduct operational status check

<u>Performance Standard</u>. With the aid of reference, using the site diagram, setup the AFATDS equipment by completing the requirement. The instructor will verify the operational check is successful.

Instructor. BI, SI

Prerequisite. 2050

Reference.

- 1. TM 7025-OR/1
- 2. TM 7025-OR/2
- 3. TM 7025-OR/3
- 4. Marinenet AFATDS Course Code AFATAA
- 5. Site diagram

AFATD-2060 2.0 (365) B,R (1) AFATDS I

Goal. Install AFATDS Software.

Requirement. Given a locally developed site diagram, references, materials, and required equipment, perform the following:

- 1. Perform vendor Image Recovery
- 2. Log Progress.
- 3. Log Errors.

<u>Performance Standard</u>. With the aid of reference, using the site diagram, install the AFATDS software by completing the requirement. This event can be accomplished by completing the Tactical Data Systems Administrator Managers Course at MCCES.

Instructor. BI, SI

<u>Prerequisite</u>. 2000, 2050, 2055, 2065, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2722, 2746, 2748, 2806, 2836, 2846, 3208, 3210, 3212, 3242

Reference.

- 1. TM 7025-OR/1
- 2. TM 7025-OR/2
- 3. TM 7025-OR/3
- 4. MarineNet AFATDS Course Code AFATAA
- 5. Site diagram

AFATD-2065 2.0 (365) B,R (1) AFATDS I

Goal. Configure AFATDS

 $\underline{\text{Requirement}}$. Given a locally developed 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.

<u>Performance Standard</u>. With the aid of reference, using the site diagram, configure the AFATDS by completing the requirement. This event can be completed at the Tactical Data Systems Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2050, 2055, 2060, 2655, 2844

Reference.

- 1. TM 7025-OR/1
- 2. TM 7025-OR/2
- 3. TM 7025-OR/3
- 4. Marinenet AFATDS Course Code AFATAA
- 5. Site diagram

3.9.6 INTELLIGENCE OPERATIONS SERVER (IOS) STAGE

3.9.6.1 <u>Purpose</u>. To teach the trainee how to setup, install, and perform configuration management on the Intelligence Operations Server (IOS).

3.9.6.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

IOS-2075 2.0 (*) B (1) IOS ____

Goal. Identify the IOS.

Requirement. Given the references:

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

<u>Performance Standard</u>. With the aid of reference, identify the requirement items.

Instructor. BI, SI

Reference.

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

IOS-2080 2.0 (365) B,R (1) IOS

Goal. Setup the IOS Equipment.

Requirement. Given a locally developed site diagram, references, materials, and required equipment:

- 1. Emplace components.
- 2. Cable components
- 3. Energize components.
- 4. Conduct operational status check

Performance Standard. With the aid of reference, using the site diagram, setup the IOS equipment by completing the requirement. The instructor will verify the operational check is successful.

Instructor. BI, SI

Prerequisite. 2075

Reference.

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

IOS-2085 2.0 (365) B,R (1) IOS

L

Goal. Install the IOS Software.

Requirement. Given a locally developed site diagram, references, materials, and required equipment:

- 1. Perform vendor image recovery.
- 2. Log progress.
- 3. Log errors.

Performance Standard. With the aid of reference, using the site diagram, install the ISO software by completing the requirement.

Instructor. BI, SI

Prerequisite. 2075, 2080

Reference.

- 1. IOS/IOW USER'S MANUAL
- 2. Site diagram

IOS-2090 3.0 (365)

B,R (1) IOS

Goal. Configure the IOS.

Requirement. Given a locally developed site diagram, references, materials, and required equipment:

- 1. Configure network settings.
- 2. Configure time settings.

- 3. Configure frame-work settings.
- 4. Configure Unified Build (UB) settings.
- 5. Configure COP Synchronization Tool (CST) links.
- Configure Joint Range Extension Application Protocol (JREAP) links.
- 7. Configure for JADOCS interface.
- 8. Log progress.
- 9. Log errors.

Performance Standard. With the aid of reference, using the site diagram, configure the IOS by completing the requirement. This event can be completed at the Tactical Data System Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2075, 2080, 2085

Reference.

- 1. IOS/IOW USER'S MANUAL
- 2. Site diagram

3.9.7 THEATER BATTLE MANAGEMENT CORE SYSTEM (TBMCS) STAGE

3.9.7.1 <u>Purpose.</u> To teach the trainee how to build a Theater Battle Management Core System (TBMCS) web remote.

3.9.7.2 <u>General</u>

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

TBMCS-2100 2.0 (*)

L

Goal. Identify the TBMCS

Requirement. Given a locally developed site diagram, references, materials, and required equipment conduct the following:

В

- 1. Identify the purpose of TBMCS.
- 2. Identify the function of TBMCS.
- Identify software.
- 4. Identify hardware components.

<u>Performance Standard</u>. With the aid of reference, identify the items noted in the site diagram without error. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Reference.

- 1. Site diagram
- 2. TBMCS SUMs

TBMCS-2102 4.0 (1095) B,R (1) TBMCS

I.

Goal. Emplace TBMCS Equipment

Requirement. Given a locally developed site diagram, references, materials, and required equipment, conduct the following:

- 1. Emplace components.
- 2. Cable components.
- 3. Energize components.
- 4. Conduct operational status check.

<u>Performance Standard</u>. With the aid of reference, emplace TBMCS Hardware. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. Site diagram
- 2. TBMCS SUMs

TBMCS-2104 3.0 (365) B,R (1) TBMCS

Goal. Conduct TBMCS PRE-BUILD PHASE.

上

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Gather build configuration information.
- 2. Perform load SUM procedures.
- 3. Log Progress.
- 4. Log Errors.
- 5. Verify 3510 configuration.

Performance Standard. With the aid of reference, conduct TBMCS PRE-BUILD PHASE by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

Goal. Conduct TBMCS BUILD PHASE 1.

<u>Requirement</u>. Given a locally developed site diagram, a checklist, applicable references, materials, and required equipment conduct the following:

- 1. Perform load SUM procedures.
- 2. Log Progress.
- 3. Log Errors.
- 4. Verify network configuration.
- 5. Verify Hard drive Partitioning.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 1 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2108 4.0 (365) B,R (1) TBMCS

Goal. Conduct TBMCS BUILD PHASE 2.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment conduct the following:

- 1. Perform load SUM procedures
- 2. Log Progress
- 3. Log Errors
- 4. Verify Time Server configuration.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 2 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

<u>Instructor</u>. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2110 4.0 (365) B,R (1) TBMCS L

Goal. Conduct TBMCS BUILD PHASE 3.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Perform load SUM procedures.
- 2. Log Progress.
- 3. Log Errors.
- 4. Verify replication of active directory.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 3 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2112 6.0 (365) B,R (1) TBMCS

Ι

Goal. Conduct TBMCS BUILD PHASE 4.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment conduct 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.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 4 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram

TBMCS-2114 2.0 (365) B,R (1) TBMCS

3. Site diagram

Goal. Conduct TBMCS BUILD PHASE 5.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

1. Perform load SUM procedures.

- 2. Log Progress.
- 3. Log Errors.
- 4. Verify /etc/hosts file on Unix clients.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 5 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2116 12.0 (365) B,R (1) TBMCS

L

Goal. Conduct TBMCS BUILD PHASE 6.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Perform load SUM procedures.
- 2. Log Progress.
- 3. Log Errors.
- 4. Verify IRIS server services have been started.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 6 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2118 6.0 (365) B,R (1) TBMCS

L

Goal. Conduct TBMCS BUILD PHASE 7.

<u>Requirement</u>. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Perform load SUM procedures
- 2. Log Progress
- 3. Log Errors
- 4. Verify Web-logic server has started.

Performance Standard. With the aid of reference, conduct TBMCS BUILD PHASE 7 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course..

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2120 2.0 (365) B,R (1) TBMCS

Τ.

Goal. Conduct TBMCS BUILD PHASE 8.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Perform load SUM procedures.
- 2. Log Progress.
- 3. Log Errors.
- 4. Verify Pristine Backup was complete.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS BUILD PHASE 8 by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course..

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Build Flow Diagram
- 3. Site diagram

TBMCS-2122 12.0 (365) B,R (1) TBMCS

L

<u>Goal</u>. Conduct TBMCS POST-CONFIG PHASE.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

- 1. Perform load SUM procedures.
- Log Progress.
- Log Errors.
- 4. Verify that users are created.
- 5. Verify user assigned permissions.

<u>Performance Standard</u>. With the aid of reference, conduct TBMCS POST-CONFIG PHASE by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

TBMCS-2124 24.0

- 1. TBMCS SUMs
- 2. TBMCS Post Configuration Checklist
- 3. Site diagram

(365)

L

Goal. Conduct TBMCS PATCH INSTALL.

Requirement. Given a locally developed site diagram, applicable references, materials, and required equipment, conduct the following:

B,R (1) TBMCS

- 1. Perform load SUM procedures
- 2. Log Progress
- 3. Log Errors
- 4. Verify patch functionality.

Performance Standard. With the aid of reference, conduct TBMCS PATCH INSTALL by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

Instructor. BI, SI

Prerequisite. 2100

Reference.

- 1. TBMCS SUMs
- 2. TBMCS Service Pack Addendums
- 3. Site diagram

TBMCS-2126 4.0 (365)

 Γ

Goal. Conduct TBMCS VERIFICATION.

Requirement. Given a locally developed site diagram, applicable references, materials, required equipment, and Current Ops and Future Ops operators, conduct the following:

B,R (1) TBMCS

- 1. Perform load SUM procedures
- 2. Log Progress
- 3. Log Errors

<u>Performance Standard</u>. With the aid of reference, using the checklist, conduct TBMCS VERIFICATION by completing the requirement. This event can be completed at the MCCES TBMCS Administration Course.

<u>Instructor</u>. BI, SI

Prerequisite. 2100

Reference.

- 1. Site diagram
- 2. TBMCS SUMs

3.9.8 AUTOMATED DATA PROCESSING EQUIPMENT (ADPE) STAGE

3.9.8.1 Purpose. To teach the trainee how to setup, install, and manage ADPE and configure the C2PC.

3.9.8.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

ADPE-2130 2.0 (*) B (1) Server

Goal. Identify the purpose of server.

Requirement. Given references and a server conduct the following:

- 1. Identify the purpose of a server.
- 2. Identify the functions of a server.
- 3. Identify software on the server.
- 4. Identify hardware components.

Performance Standard. Without the aid of reference, identify the requirement items.

Instructor. BI, SI

Reference.

- 1. Essential System Administration 3rd edition ISBN # 0-596-0034-9
- 2. MarineNet- Memory, Motherboards, and Processors course code- 123905
- 3. MarineNet CompTIA Server+
- 4. MarineNet- CompTIA A+
- 5. IOS/IOW User's Manual

ADPE-2132 2.0 (365) B,R (1) IOW

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. Without the aid of reference, identify the requirement items.

Instructor. BI, SI

Reference.

- 1. IOS/IOW User's Manual
- 2. SL-3-10848D
- 3. MarineNet C2PC Course Code C2P001

ADPE-2134 2.0 (365) B,R (1) ADPE ____

Goal. Set up ADPE.

Requirement. Given a locally developed site diagram, a checklist, applicable references, materials, and required equipment:

- 1. Emplace ADPE components.
- 2. Cable components.
- 3. Energize components.
- 4. Conduct operational status check.

Performance Standard. With the aid of reference, using the checklist, setup the ADPE IAW the requirement.

Instructor. BI, SI

Prerequisite. 2130, 2132

Reference.

- 1. Essential System Administration 3rd edition ISBN # 0-596-0034-9
- 2. Marinenet- Memory, Motherboards, and Processors course code- 123905
- 3. Marinenet CompTIA Server+
- 4. Marinenet- CompTIA A+
- 5. IOS/IOW User's Manual

ADPE-2136 8.0 (*) B (1) ADPE L

Goal. Install ADPE operating systems and software.

Requirement. Given a locally developed site diagram, a checklist, applicable references, materials, and required equipment:

- 1. Install operating system.
- 2. Install system application software to include but not limit to:
 - a. Joint Automated Deep Operations Coordination Systems (JADOCS)
 - b. Command and Control Personal Computer (C2PC)
 - c. Citrix
 - d. Management Software
 - e. Portable Flight Planning Software (PFPS)
 - f. Internet Relay Chat
 - g. TBMCS Web-Client software
 - h. MACCS client software
- 3. Log progress.
- 4. Log errors.

<u>Performance Standard</u>. With the aid of reference, using the checklist, install ADPE operating systems and software IAW the requirement.

Instructor. BI, SI

Prerequisite. 2130, 2132, 2134

Reference.

- 1. TBMCS SUMs
- 2. IOS/IOW User's Manual
- 3. JADOCS User's Manual
- 4. Site diagram

ADPE-2138 8.0 (365) B,R

3, R

(1) ADPE

L

Goal. Configure the ADPE operating systems and software.

Requirement. Given a locally developed site diagram, a checklist, applicable references, materials, and required equipment:

- 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. PFPS
 - f. IRC
 - g. EMT
 - h. TBMCS Web-Client software
 - i. MACCS client software
 - j. Configure maps.
 - k. Configure user accounts.
- 4. Log Progress.
- 5. Log Errors.

<u>Performance Standard</u>. With the aid of reference, using the checklist, configure operating systems and software IAW the requirement. This event can be satisfied by completing the Tactical Data Systems Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2130, 2132, 2134, 2136

Reference.

- 1. TBMCS SUMs
- 2. IOS/IOW User's Manual
- 3. JADOCS User's Manual
- 4. Marinenet AFATDS Course Code AFATAA
- 5. Site diagram

ADPE-2140 8.0 (365) B,R

(1) C2PC

Goal. Configure Command and Control Personnel Computer (C2PC).

Requirement. Given a C2PC and applicable references conduct the following:

- 1. State the purpose of the C2PC
- 2. Define command and control information management.
- 3. Describe command operations center (COC).
- 4. Load and navigate a map.
- 5. Injector manager
- 6. Map overlay injector.
- 7. Routes injector
- 8. Track plot injector
- 9. Variable message format

<u>Performance Standard</u>. With the aid of reference, perform the requirement items. C2PC will be configured to support TAOC operations.

Prerequisite. Complete MARINENET Course Command and Control
Personnel Computer (C2PC) (Code C2P001).

Reference.

- 1. IOS/IOW User's Manual
- 2. MarineNet C2PC Course Code C2P001

3.9.9 COMMUNICATIONS DATA LINK SYSTEM (CDLS) STAGE

3.9.9.1 <u>Purpose.</u> To teach the trainee how to setup, install, configure, and administer the equipment required for tactical data links.

3.9.9.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

CDLS-2150 2.0 (*)

B (1) CDLS

<u>L</u>

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

Requirement. Given a CDLS and references, complete the following:

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

<u>Performance Standard</u>. Without the aid of reference, identify all requirement items.

Instructor. BI, SI

Reference. TM 10987A-OI (CDLS manual)

CDLS-2152 2.0 (*)

В

(1) CTT/H3 L

Goal. Identify AN/USC-55A Commanders Tactical Terminal Hybrid 3 (CTT/H3).

Requirement. Conduct the following:

- 1. State the purpose and identify the functions of a CTT/H3.
- 2. Identify software for the CTT/H3.
- 3. Identify hardware components in the CTT/H3.

Performance Standard. Without the aid of reference, identify all requirement items.

Instructor. BI, SI

Reference.

- 1. TM 10389A-30&P/2
- 2. TM 10389A-12&P/1

CDLS-2154 4.0 (365)

B,R (1) CDLS

Goal. Setup CDLS Equipment.

Requirement. Given a locally developed site diagram, references, materials, and required equipment, perform the following:

- 1. Emplace components.
- 2. Cable components.
- 3. Erect HF antenna
- 4. Erect UHF antennas
- 5. Energize components. 6. Install operating system.
- 7. Conduct operational status check.

Performance Standard. With the aid of reference, using the site diagram, setup the CDLS equipment by completing the requirement. The instructor will verify the operational status check is successful.

Instructor. BI, SI

Prerequisite. 2170

Reference.

- 1. TM 10987A-OI (CDLS manual)
- 2. TM 10389A-30&P/2
- 3. TM 10389A-12&P/1
- 4. Site diagram

CDLS-2156 2.0 (365)

B,R

(1) CTT

Goal. Setup Commanders Tactical Terminal (CTT) Equipment.

Requirement. Given a locally developed site diagram, references, materials, and required equipment:

- 1. Emplace components.
- 2. Cable components.
- 3. Energize components.
- 4. Conduct operational status check.
- 5. Install TIPOFF-NT.

Performance Standard. With the aid of reference, using the site, setup the CTT equipment by completing the requirement.

Instructor. BI, SI

Prerequisite. 2152

Reference.

- 1. TM 10987A-OI (CDLS manual)
- 2. TM 10389A-30&P/2
- 3. TM 10389A-12&P/1
- 4. Site diagram

CDLS-2158 2.0 (365) B,R (1) CDLS

Goal. Install CDLS software.

Requirement. Given a locally developed site diagram, references, materials, and required equipment, perform the following:

- 1. Install ADSI software
- 2. Log Progress.
- 3. Log Errors.

Performance Standard. With the aid of reference, using the site diagram, install the CDLS software IAW with the requirement.

Instructor. BL, SI

Prerequisite. 2150, 2154

Reference.

- 1. TM 10987A-OI (CDLS manual)
- Site diagram

CDLS-2160 4.0 (365)

B,R 1 CDLS

Goal. Configure the CDLS.

Requirement. Given an CDLS, required references and materials, and equipment, perform the following:

- 1. Configure network settings
- 2. Configure system time
- 3. Load Network Data Load
- 4. Log Progress

5. Log errors

Performance Standard. With the aid of reference, configure the CDLS by completing the requirement. Instructor will ensure the CDLS is configured per the reference. The event can be satisfied by completing the Tactical Data System Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158

Reference. TM 10987A-OI (CDLS manual)

3.9.10 COMBAT OPERATIONS CENTER (COC) STAGE

3.9.10.1 Purpose. To teach the trainee how to setup, install, configure, and perform systems administration on the COC.

3.9.10.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

COC-2170 2.0 (*)

B (1) COC

Goal. Identify the Combat Operation Center (COC).

Requirement. Given a COC, 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. Without the aid of reference, identify all the requirement. The event can be satisfied by completing the Tactical Data System Administrator Managers Course at MCCES.

Instructor. BI, SI

Reference. COC IETM

COC-2172 8.0 (365) B,R

(1) COC

Goal. Setup COC Equipment.

Requirement. Given a locally developed 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.

<u>Performance Standard</u>. With the aid of reference, using the site diagram, setup the COC equipment by completing the requirement. The event can be satisfied by completing the Tactical Data System Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2170

Reference.

- 1. COC IETM
- 2. Site diagram

COC-2174 8.0 (365) B,R (1) COC

Goal. Install COC software.

Requirement. Given a COC, references, materials, and required equipment, perform the following:

- 1. Use the Image Recovery Disk to install the COC Software.
- 2. Log Progress.
- 3. Log Errors.

<u>Performance Standard</u>. With the aid of reference, install the COC software by completing the requirement. The event can be satisfied by completing the Tactical Data System Administrator Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2170, 2172

Reference. COC IETM

COC-2176 2.0 (365) B,R

(1) COC

L

Goal. Configure COC operations trailer.

Requirement. Given references:

- 1. Configure Random Array of Independent Disks (RAID) Devices.
- 2. Configure Video Server.

<u>Performance Standard</u>. With the aid of reference, configure the COC operations trailer by completing the requirement. The event can be

satisfied by completing the Tactical Data System.Administrator ... Managers Course at MCCES.

Instructor. BI, SI

Prerequisite. 2170, 2172, 2174

Reference. COC IETM

3.9.11 LINK MANAGEMENT SYSTEM--MULTI TADIL (LMSMT) STAGE

3.9.11.1 <u>Purpose</u>. To teach the trainee how to setup, configure, and perform systems administration of the LMS-MT.

3.9.11.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

LMSMT-2180 2.0 (*) B (1) LMS-MT L

<u>Goal</u>. 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.

<u>Performance Standard</u>. Without the aid of reference, identify all the requirement items.

Instructor. BI, SI

Reference. LMS User's Manual

LMSMT-2182 4.0 (365) B,R (1) LMS-MT L

Goal. Setup LMS-MT Equipment.

Requirement. Given a locally developed site diagram, references, materials, and required equipment, perform the following:

- 1. Emplace components.
- 2. Erect antenna
- 3. Cable components.
- 4. Energize components.
- 5. Conduct operational status check.

Performance Standard. With the aid of reference, using the site diagram, setup the LMT-MT equipment by completing the requirement.

Instructor. BI, SI

Prerequisite. 2180

Reference.

- 1. LMS User's Manual
- 2. Site diagram

LMSMT-2184 2.0 (365) B,R (1) LMS-MT

Goal. Install LMS-MT software.

Requirement. Given a locally developed site diagram, references, materials, and required equipment, perform the following:

- 1. Install operating system.
- 2. Install LMS-MT application software.
- 3. Log Progress.
- 4. Log Errors.

Performance Standard. With the aid of reference, using the site diagram, install the LMS-MT software by completing the requirement.

Instructor. BI, SI

Prerequisite. 2180, 2182

Reference.

- 1. LMS User's Manual
- 2. Site diagram

LMSMT-2186 4.0 (365) B,R (1) LMS-MT

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
- Fill Front End System (FES)
- 5. Log Progress
- 6. Log errors

Performance Standard. With the aid of reference, configure the LMS-MT by completing the requirement. This event can be satisfied by completing the MACCS Maintenance Managers Course (5974) at MCCES.

Instructor. BI, SI

Prerequisite. 2180, 2182, 2184

Reference. LMS User's Manual.

3.9.12 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

3.9.12.1 <u>Purpose.</u> To provide instruction on various test measurement and diagnostic equipment (TMDE).

3.9.12.2 General

Prerequisite. Complete MCI 287A Introduction to Test Equipment.

Admin Notes. NONE

Crew Requirements: NONE

TMDE-2200 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.

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

Instructor. BI, SI

Prerequisite. MCI 287

Reference. Applicable user manual.

TMDE-2225 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. MCI 287

Reference. TM 9406-15

TMDE-2240 2.0 (*) B

(1) Twisted pair cable tester L

Goal. Utilize a Twisted Pair Cable Tester.

Requirement. Given a twisted pair cable tester, network cable, and references:

- 1. Identify Twisted Pair Cable Tester.
- State its purpose.
- 3. Test Twisted Pair cable.

Performance Standard. With the aid of reference, demonstrate proper use of the CAT 5 Cable Tester and analyze a cable.

Instructor. BI, SI

Prerequisite. MCI 287

Reference. Applicable user manual.

PREVENTIVE MAINTENANCE/CORRECTIVE MAINTENANCE (PMCM) STAGE 3.9.13

3.9.13.1 Purpose. To teach the trainee how to conduct preventive maintenance checks and services (PMCS) and initiate corrective maintenance (CM).

3.9.13.2 <u>General</u>

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

PMCM-2400 2.0 (*)

Goal. Induct equipment into maintenance cycle.

В

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

- 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).

<u>Performance Standard</u>. With the aid of reference, complete the above listed forms without error.

Instructor. BI, SI

Reference

- 1. TM 4700-15/1
- 2. MCO P4790.2_
- 3. MCO P4400.1 $\overline{6}$

PMCM-2405 2.0 (*)

В

Τ.

Goal. Conduct an SL-3 inventory.

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

- 1. Conduct the inventory.
- Identify and document missing, broken, or unserviceable SL-3 items IAW references
- 3. Document completed inventory findings in the record jacket.

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

Instructor. BI, SI

Reference

- 1. TM 4700-15/1
- 2. MCO P4790.2
- 3. Applicable SL-3 extracts.

PMCM-2475 1.5 (*)

 $\underline{\text{Goal}}$. State the purpose of Preventative Maintenance Checks and Services (PMCS).

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

- 1. State the purpose of preventive maintenance.
- 2. Identify the PM frequency.
- 3. Identify PM procedures.
- 4. Identify the required reference materials.

<u>Performance Standard</u>. With the aid of reference, identify the above requirement items without error.

Instructor. BI, SI

Reference

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

PMCM-2480 8.0 (*)

В

Goal. Conduct Preventive Maintenance Checks and Services (PMCS).

Requirement. Given ADPE equipment and references:

- 1. Inspect equipment for damage.
- 2. Clean all cable and jacks.
- 3. Clean equipment, interior and exterior.

Performance Standard. With the aid of reference, conduct PMCS.

Instructor. BI, SI

Reference

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

PMCM-2485 2.0 (*) B

Goal. Initiate Corrective Maintenance (CM).

Requirement. Given a faulty piece of equipment, a checklist and applicable MIMMS documents, induct faulty equipment into maintenance cycle.

Performance Standard. With the aid of reference, initiate CM on the faulty piece of equipment by completing the checklist and inducting the equipment into the maintenance cycle.

Instructor. BI, SI

Prerequisite. 2480

Reference

- 1. $\overline{TM-47}00/15-1H$
- 2. MCO P4790.2

3.9.14 COLLATERAL DUTIES (CD) STAGE

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

3.9.14.2 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 (MIMMS)
- 8. Equipment Records
- 9. Quality Assurance

Crew Requirements: NONE

CD-2500 8.0 (*)

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.
- Safety CD
 - a. State the purpose of the safety program.
 - b. State the duty responsibilities.
- 6. Hazmat CD
 - a. State the purpose of the HAZMAT program.
 - b. State the duty responsibilities.
- 7. Embarkation
 - a. State the purpose of the embarkation program.
 - b. State the duty responsibilities.
- 8. MIMMS
 - a. State the purpose of the MIMMS program.
 - b. State the duty responsibilities.
- Records 9.
 - 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 Assurance
 - a. State the purpose of the quality control program.
 - b. State the duty responsibilities.

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

Instructor. BI or SI that is either currently assigned to the CD
or was last assigned to the CD within the last 12 months.

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-2505 1.0 (*)

 \mathbb{B}

L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

- 1. TMDE is correctly marked with calibrations information.
- 2. Calibration date is current.

<u>Performance Standard</u>. With the aid of reference, complete the requirement.

Instructor. BI or SI that is either currently assigned to the
calibrations CD or held the CD within the last 12 months.

Prerequisite. 2500, MCI 287A

Reference.

- 1. MCO P4790.2
- 2. MMO SOP

CD-2510 2.0 (*)

В

Ι

Goal. Identify the Maintenance Modifications Program.

Requirement. Conduct the following:

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

<u>Performance Standard</u>. With the aid of reference, conduct the requirement above without error.

Instructor. BI or SI that is either currently assigned to the CD
or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

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

CD-2515 2.0 (*)

В

 $_{\rm L}$

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.

<u>Performance Standard</u>. 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. 2500

Reference

- 1. MMO SOP
- 2. MCO P4790.2

CD-2520 2.0 (*)

В

Т.

Goal. Identify the Maintenance Publications Library.

Requirement. Conduct the following:

- 1. Demonstrate how to locate required publications for specific equipment.
- 2. Demonstrate how to verify publications are up-to-date.
- 3. Describe the purpose of Publications Library Management System (PLMS).
- 4. Fill out a NAVMC 10772.

<u>Performance Standard</u>. With the aid of reference, demonstrate the requirement items without error. Locate and verify that a sampling of (3) publications are up to-date.

<u>Instructor</u>. BI or SI that is either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. MCO 5210.11E
- 2. MCO P5125.17C
- 3. PLMS
- 4. MCO P4790.2
- 5. MMO SOP
- 6. Maintenance Publications Library Desktop

CD-2525 2.0 (*)

В

Τ.

Goal. Identify major Maintenance Safety Program elements.

Requirement. Conduct the following:

- 1. Define 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 the read safety board.

<u>Performance Standard</u>. With the aid of reference, pass a written exam on the requirements noted above with 80% accuracy.

Instructor. BI or SI that is either currently assigned to the CD
or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

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-2530 2.0 (*) B ...__ L

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

Requirement. Given an MSDS and references:

- 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 or SI that is either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. Maintenance Safety SOP
- 2. MSDS binder
- 3. 29 CFR 1910.1200
- 4. MCO 4450-12
- 5. MCO P4790.2
- 6. OSHA Reference
- 7. Associated Desktop

CD-2535 3.0 (*)

_____B

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.

 $\underline{\text{Instructor}}$. BI or SI that is either currently assigned to the CD or was last assigned to the CD within the last 12 months.

Prerequisite. 2500

Reference

- 1. MCRP 4-11.3 Unit Embarkation Handbook
- 2. MCO P4790.2
- 3. Technical Manuals
- 4. Maintenance Embarkation Program Desktop

CD-2540 2.0 (365)

B,R

 \mathbf{L}

Goal. Complete MIMMS forms.

Requirement. Given the following blank forms and references state their purpose and completely fill in each one:

- 1. NAVMC 10245 Equipment Repair Order (ERO).
- 2. NAVMC 10925 Equipment Repair Order Shopping List (EROSL).
- 3. NAVMC 1018 Inspection/Repair Tag (IRT).

<u>Performance Standard</u>. With the aid of reference, state the purpose for each form. Complete each form without error. Completion of the MIMMS Clerk Course satisfies the requirement.

Instructor. BI, SI

Prerequisite. 2500, MCI 0410

Reference

- 1. UM 4790.5
- 2. TM 4700-15/1_
- 3. MCO P4790.2_
- 4. MCBUL 3000
- 5. MCO P4400.16
- 6. Applicable Desktop

CD-2545 1.0 (*)

В

 Γ

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.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items.

Instructor. BI, SI

Prerequisite. 2500

Reference

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

3.9.15 COMMUNICATIONS SECURITY (COMSEC) STAGE

Purpose. To teach the trainee safe handling and storage of 3.9.15.1 classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout.

3.9.15.2 General

Prerequisite. Complete MCI 2525B, Communications Security.

Admin Notes. NONE

Crew Requirements: NONE

COMSEC-2600 2.0 (365) B, R

Goal. Describe proper handling and storage of classified materials.

Requirement. Conduct 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. Without the aid of reference, state the above requirement items without error.

Instructor. BI, SI

Prerequisite. MCI 2525

Reference

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

COMSEC-2605 2.0 (365) B, R

Goal. Ensure physical security of classified areas.

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

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

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

Instructor. BI, SI

Prerequisite. MCI 2525

Reference. MCO P5530.14

COMSEC-2610 2.0 (365)

B,R

I

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.

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

<u>Instructor</u>. BI, SI

Prerequisite. 2000, MCI 2525

Reference

- 1. EKMS-1A
- 2. COMSEC Callout
- 3. Local unit SOP

COMSEC-2615 2.0 (365)

_B,R

<u> </u>

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 four 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.

<u>Performance Standard</u>. With the aid of reference, state the purpose and identify the key information on the callout without error.

Instructor. BI, SI

Prerequisite. 2000, MCI 2525

Reference

- 1. EKMS-1A
- 2. COMSEC Callout
- 3. Local SOP

COMSEC-2620 2.0 (365)

B, R (1) SKL

L

Goal. Utilize Simple Key Loader (SKL) or Data Transfer Device (DTD).

Requirement. Given (2) loaded SKL or DTDs and a zeroized cryptographic device:

- 1. Describe the purpose of SKL.
- 2. Define a SKL loading procedure.
- 3. Configure the SKL.
- 4. Identify SKL indicators and messages.
- 5. Transfer key material to Controlled Cryptographic Item (CCI) equipment.
- 6. Given two (2) Simple Key Loader (SKL) and the reference, transfer cryptographic information from device to device.
- 7. Destroy superseded keying material within the cryptographic fill device.

<u>Performance Standard</u>. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material IAW the references.

Instructor. BI, SI

Prerequisite. 2000, 2010, 2015, MCI 2525

Reference

- 1. EKMS-1A
- 2. COMSEC Callout
- 3. Local SOP

3.9.16 FAMILIARIZATION (FAM) STAGE

3.9.16.1 <u>Purpose</u>. To build the trainee'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.

3.9.16.2 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-2655 2.0 (*)

L

Goal. State HF, VHF, and UHF frequency spectrums.

Requirement. State the frequency spectrum for:

В

- 1. HF.
- 2. VHF.
- 3. UHF.

<u>Performance Standard</u>. With the aid of reference, state the frequency spectrum for HF, VHF, and UHF.

Instructor. BI, SI

Reference. MCRP 3-40.3B.

FAM-2660 2.0 (1460)

B, R

L

Goal. Describe HF, VHF, UHF radio characteristics.

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

- 1. AN/GRC 171B(V)4
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 2. AN/VRC 104
 - a. Purpose and use of the radio
 - b. Frequency range
 - b. Power output
- 3. AN/VRC 103
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 4. AN/VRC 110
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 5. AN/GRC 242
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 6. AN/GRC 256

- a. Purpose and use of the radio
- b. Frequency range
- c. Power output

Performance Standard. With the aid of reference, state the frequency and power output for all radios listed in the requirement.

Instructor. BI, SI

Reference. MCRP 3-40.3B.

FAM-2665 2.0 (*)

Goal. Demonstrate an earth ground installation.

Requirement. Given a grounding kit and PPE:

- 1. Install an earth ground using a:
 - a. Grounding rod.
 - b. MK-255IAU Grounding Kit (SWIG).
- 2. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. With the aid of reference, install an earth ground. The Instructor shall verify the grounding was successful.

Instructor. BI, SI

Prerequisite. 2225

Reference. MCRP 3-40.3B

3.9.17 MAINTENANCE MANAGEMENT (MMGT) STAGE

3.9.17.1 Purpose. To teach the trainee how to perform MACCS maintenance functions.

3.9.17.2 <u>General</u>

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

2.0 (*) B MMGT-2700

Goal. Demonstrate an understanding of the Total Force Structure Management System (TFSMS).

Requirement. Given access to TFSMS, complete the following:

- 1. View and interpret information on structure and equipment.
- 2. Create structure and equipment reports.
- 3. State the reason for submitting a Table of Organization and Equipment Change Request (T/OECR).
- 4. Demonstrate how to manipulate structure and equipment data using electronic TOECRs.

Performance Standard. Complete the Total Force Structure Management Systems (MC TFSMS) online training located on the TFMS website, https://tfsms.mccdc.usmc.mil. SI may assist trainees.

Instructor. TFSMS Online

Prerequisite. Per course syllabus requirements.

Reference. https://tfsms.mccdc.usmc.mil

MMGT-2702 2.0 (*) B L

Goal. Identify the contents of a turnover binder.

Requirement. Given the reference, perform the following:

- 1. Outline the required contents of a turnover binder.
- 2. Review a turnover binder.

Performance Standard. With the aid of reference, submit to the evaluator an outline that lists all required contents of a turnover binder. Review a turnover binder and ensure it is in compliance with the reference.

Instructor. BI, SI

Prerequisite. 2000, 2405, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference. MCO P4790.2

3.0 (*) B MMGT-2704

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 with equipment.
- 4. Provide supply with required documentation to remove from CMR.

<u>Performance Standard</u>. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions and the references.

Instructor. BI, SI

<u>Prerequisite</u>. 2000, 2475, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference

- 1. Equipment Disposition Instructions
- 2. Supply Instructions (SI)
- User Logistics Supply Support Summary's (ULSS)
- 4. SL-3 or other inventory documents.

MMGT-2706 1.0 (*)

L

<u>Goal</u>. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

<u>Performance Standard</u>. With the aid of reference, create the PMCS schedule.

<u>Instructor</u>. BI, SI

Prerequisite. 2405, 2500, 2515, 2545

Reference

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

MMGT-2708 1.5 (1460)

B,R

L

Goal. Ensure tool control procedures are implemented.

Requirement. Given the applicable references:

- 1. Ensure inventories for all tool sets, chests, and kits are being conducted.
- 2. Ensure Special Tools allowances are maintained.
- 3. Ensure missing and unserviceable items are placed on order.
- 4. Ensure excess tools are properly disposed / documented.
- 5. Verify completion of PM's.
- 6. Annotate inventory control records without error.
- 7. Write a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure tool control procedures are implemented by completing the requirement items. Instructor will validate the discrepancy report.

Instructor. BI, SI

Prerequisite. 2500

Reference

- 1. MMO SOP
- 2. MCO P4400.150
- 3. MCO P4790.2
- 4. AIRS Checklist 754

MMGT-2710 4.0 (365) B,R

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

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

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

Performance Standard. With the aid of reference, complete the requirement items. Minimal instructor assistance is allowed. Verbally identify errors on AIS reports provided and identify corrective actions to the instructor. Instructor will guide the student throughout this training evolution. Completion of the MIMMS Supervisors Course satisfies the standard.

Instructor. BI, SI

Prerequisite. 2000, 2405, 2500, 2515, 2520, 2535, 2545, 2722, 2806, 2836, 3208, 3210, 3212, 3242, MCI 0410, MCI 0414

Reference

- 1. MCO P4790.2
- 2. MCBUL 3000
- 3. NAVMC 10425
- 4. NAVMC 10925
- 5. UM 4790-5

- 6. MCO P4400.16
- 7. TM 4700.15/1
- 8. DLA Handbook
- 9. Unit MMSOP

MMGT-2712 2.0 (1460) B,R

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. Without 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. 2100, 2112, MCI 0410

Reference

- 1. MCO 4790.2
- 2. MCO P4400. $\overline{1}$ 50
- 3. FEDLOG

MMGT-2714 2.0 (1460) B,R

Goal. Define the four major funding lines.

Requirement. Given the applicable 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

 - (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

Reference

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

MMGT-2716 2.0 (*) B

Ľ

Goal. Ensure new equipment is being inducted 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 record jacket 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.

<u>Performance Standard</u>. With the aid of reference, complete the practical application and the requirement items. The instructor will validate that the process was demonstrated per the reference.

Instructor. BI, SI

Prerequisite. 2400, 2500, 2540, 2545, MCI 0410

Reference

- 1. Supply Instructions (SI)
- 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-2718 2.0 (*)

I.

Goal. Verify equipment is properly phased out.

В

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

- 1. Review the POP and applicable references.
- 2. State the purpose of:
 - a. Recoverable Items Report (WIR)
 - b. WIR Online Process Handler program. (WOLPH)
 - c. Material Returns (MTR) program.

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

<u>Performance Standard</u>. With the aid of reference, complete the practical application and the requirement items. The instructor will validate that the process was completed per the reference.

Instructor. BI, SI

<u>Prerequisite</u>. 2000, 2405, 2500, 2520, 2535, 2540, 2545, 2704, 2722, 2806, 2836, 3208, 3210, 3212, 3242, MCI 0410

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-2720 2.0 (1460)

B,R

L

<u>Goal</u>. Ensure Quality Assurance (QA) procedures are being performed correctly for organic unit systems.

Requirement. Given the references and TACC equipment records, ensure QA procedures are properly being performed by:

- 1. Identify maintenance QA procedures
- 2. List all the QA areas within your section.
- 3. State the frequency of the QA checks for each area.
- 4. Conduct a QA inspection on a selected piece of equipment:
 - a. Ensure equipment is being maintained to equipment standards.
 - b. Ensure proper 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 MIMMS forms are used during maintenance cycle
- 5. Ensure NAVMC-10772 form was completed and verified.
- 6. Write a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure QA procedures are being performed IAW the references by completing the requirement items; and the discrepancy report is validated by the instructor.

<u>Instructor</u>. BI, SI

Prerequisite. 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242

Reference

- 1. MCO P4790.2
- 2. MMO SOP

MMGT-2722 16.0 (1460)

B, R

L

Goal. Conduct an inspection of maintenance functional areas.

Requirement. Given the applicable references and inspection checklists, demonstrate the procedures for inspecting three of the following functional areas.

- 1. State the purpose for inspecting functional areas.
- 2. List the functional areas in your section.
- 3. Schedule an inspection for three of the below listed areas selected by the instructor.
 - a. Calibration Control Program
 - b. Publication Control Program
 - c. Quality Assurance Program
 - d. Preventative Maintenance Program
 - e. Modification Control Program
 - f. Tool Control Program
 - g. Marine Corps Integrated Maintenance Management System/ Automated Information System (MIMMS/AIS)
 - h. Training Program
 - i. Records
 - j. Safety Program
 - k. Corrosion Prevention and Control (CPAC)
- 4. Inform functional area managers of the inspection.
- 5. Conduct an inspection on the three selected areas.
- 6. Submit an executive summary at the conclusion of each of the three inspections.

<u>Performance Standard</u>. With the aid of reference, conduct the requirement items; conduct an inspection of the three selected functional areas with minimal assistance.

Instructor. BI, SI

Prerequisite. 2500, 2520

Reference

- 1. MCO 4790.2
- 2. MCO P4400.82
- 3. MCO P4400.16 $\overline{0}$
- 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-2724 16.0 (*) B

 $\underline{\text{Goal.}}$ 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).
- 2. Validate the requirement for change.
- 3. Complete TOECR form, NAVMC 11355.
- 4. Identify compensation for T/O changes when possible.
- 5. Provide an explanation/reason for change request on the change request form in plain English.
- 6. Provide a copy of the NAVMC 11355 to the instructor for review and validation.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items to support the scenario; instructor will ensure the NAVMC 11355 supports the scenario requirement.

Prerequisite. Advanced Technician Qualification (6110), 2300.

The requirement can be satisfied by completing the TFSMS Super User Course - instructions on how to obtain MTT training is located on the TFMS website, https://tfsms.mccdc.usmc.mil

Instructor. TFSMS MTT, BI, SI

Prerequisite. 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2700, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242

Reference

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

2.0 (*) B MMGT-2726

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

Performance Standard. With the aid of reference, state the process and submit the Urgent UNS form to the instructor for final validation.

Instructor. BI, SI

Prerequisite. 2806

Reference

- 1. NAVMC 11475
- 2. MCO 3900.17

MMGT-2728 16.0 (1460)

B,R

Goal. Develop a maintenance section budget.

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

- 1. Provide maintenance funding request based on current requirements while considering prior year utilization history.
- 2. Draft an anticipated maintenance funding request based on the unit's TEEP to support

- a. Personnel travel requirements
 - b. Administrative support requirements (SERVMART)
- 3. Submit funding request with justification.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items IAW the references. Submit the funding request to the instructor for review and validation.

Instructor. BI, SI

Prerequisite. 2714

Reference

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

MMGT-2730 40.0 (1460)

B,R

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)/Government Furnished Equipment (GFE) requirements.
 - c. Ensure equipment have record jackets.
 - d. Identify discrepancies, if any.
- 4. Write a letter of discrepancy.
- 5. Submit results within specified time period.

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

Instructor. BI, SI

<u>Prerequisite</u>. 2000, 2400, 2405, 2500, 2520, 2535, 2540, 2545, 2704, 2716, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference

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

MMGT-2732 2.0 (*)

В

L

Goal. Ensure publications are properly maintained.

Requirement. Given the references:

- 1. Check publications library for missing TMs.
- 2. Check publications library for missing Modification

Instructions.

- Check publications library for missing Technical Instructions.
- 4. Check publications library for missing Supply Instructions.
- 5. Check publications library to ensure publication changes have been incorporated.
- 6. Ensure the reconciliation process is being conducted between S 1/MMO and the Publications NCO.
- 7. Write a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure publications procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2520

Reference

- 1. MCO P5600.31
- 2. NAVMC 2761
- 3. Marine Corps Stock List SL-1-3/1-2
- 4. MCO P4790.2
- 5. AIRS Checklist 754
- 6. MMO SOP

MMGT-2734 1.0 (*)

В

L

<u>Goal</u>. Ensure the maintenance safety control procedures are implemented.

Requirement. Given the references:

- 1. Verify that the safety procedures are implemented.
- Verify that HAZMAT safety procedures are implemented and documented.
- 3. Write a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure the safety control procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2525

Reference

- 1. MCO 5100.29
- 2. MCO P4790.2
- 3. MMO SOP

MMGT-2736 1.0 (*)

В

Goal. Ensure calibrations procedures are implemented

Requirement. Given the applicable references:

- 1. Verify accuracy of locally generated reports and Consolidated Memorandum Receipt (CMR)
- 2. Review reconciliation procedures
- 3. Review calibration scheduling of TMDE
- 4. Verify locally generated reports and equipment records reflect the proper calibration status.
- 5. Write a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure calibrations procedures are implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2505, MCI 287

Reference

- 1. TM-4700-15/1
- 2. MCO 4790.1
- 3. MMO SOP
- 4. MCO 4790.2
- 5. AIRS Checklist 754

MMGT-2738 2.0 (*)

L

<u>Goal</u>. Ensure the Marine Corps Integrated Materiel Management System (MIMMS) is properly maintained.

Requirement. Given the references:

- 1. Review AIS Documentation.
- 2. Validate accuracy of reports.
- 3. Ensure reconciliation with MMO is being conducted.

В

- 4. Ensure reconciliation with supply is being conducted.
- 5. Ensure ERO parts are bin are maintained.
- 6. Review maintenance forms for accuracy.
- 7. Review MCGERR dead-lined equipment reports for accuracy.
- 8. Ensure proper use of maintenance forms and ground equipment records.
- 9. Write a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure MIMMS CD is properly maintained by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2540, MCI 0410

Reference

- 1. MCO P4700.2
- 2. MCO P4790.IB
- 3. TM-4700-15/1
- 4. MCBUL 3000
- 5. AIRS Checklist 754
- 6. MMO SOP

MMGT-2740 1.0 (*)

В

L

 $\underline{\text{Goal}}$. Ensure classified and CCI material handling procedures are implemented.

Requirement. Given the references:

- 1. Verify classified material is stored in GSA approved container.
- 2. Verify proper and timely destruction of superseded segments.
- 3. Verify SF-702s are properly completed.
- 4. Verify classified material is transported properly.
- 5. Write a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure classified and CCI material handling procedures are being implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2600, 2605, 2610, 2615, 2620

Reference

- 1. EKMS-1A series
- 2. SECNAV M-5510.36_
- 3. MCO 5510.18

MMGT-2742 1.0 (*)

В

L

<u>Goal</u>. Ensure Preventive Maintenance Checks and Services (PMCS) are being conducted on organic unit systems.

Requirement. Given the references:

- 1. State the purpose of PMCS and PM schedule
- 2. Ensure the "overarching" PM schedule data is accurate.
- 3. Ensure the PM equipment schedule for each item is accurate.
- 4. Ensure completion of PM within the required time.
- 5. Proper documentation of PM on:
 - a. Equipment repair order (ERO).
 - b. PM schedule.
- 6. Identify the Corrosion Prevention and Control (CPAC) program/procedures.
- 7. Write and submit a report identifying discrepancies in the implementation of the procedures.

<u>Performance Standard</u>. With the aid of reference, ensure PMCS is being conducted on TAOC Air Defense Systems. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2000, 2475, 2480, 2500, 2520, 2535, 2540, 2545, 2704, 2716, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference

- 1. MCO P11262.2
- 2. MCO P4790.2
- 3. Applicable TMs/UMs
- 4. AIRS Checklist 754
- 5. Unit MMO SOP

MMGT-2744 1.0 (*) B

Goal. Ensure equipment records for the unit PEIs are maintained.

Requirement. Given the references:

- 1. Review equipment record jackets.
- 2. Review equipment maintenance history.
- 3. Review equipment inventory.
- 4. Review modification history.
- 5. Review preventive maintenance history.
- 6. Write a report identifying discrepancies.

Performance Standard. With the aid of reference, ensure the equipment records are being maintained by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2500, 2545

Reference.

- 1. TM-4700-15/1
- 2. MCO P11240.106
- 3. AIRS Checklist 754
- 4. MMO SOP
- 5. MCO P4790.2

MMGT-2746 4.0 (365)

_____B,R

Goal. Prepare and present a command level brief

Requirement. Given an OPORD and commander's intent:

- 1. Prepare a brief that contains at minimum the following:
 - a. State the OPORD mission
 - b. Maintenance implied tasks extracted from the OPORD
 - c. Develop and include the following:
 - (1) Accreditation Package
 - (2) TBMCS architecture
 - (3) TDL architecture
 - d. List equipment requirements to support mission
 - e. Define crew composition and management based on T&R CMMR

- f. Define the maintenance training plan per T&R requirements
- g. State the movement plan for deployment
- h. Embarkation
- i. Emplacement
- j. Setup
- k. Retrograde draft plan
- 1. State maintenance sustainment plan
- m. State supply support required
- n. State logistical support required
- o. Issues of concern
- p. Way Ahead
- 2. Present the brief

<u>Performance Standard</u>. With the aid of reference, the trainee will present the brief to the instructor and the maintenance officer. The instructor will ensure the brief contains the items in the first requirement and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Reference

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

MMGT-2748 1.5 (1460)

B, R

T,

<u>Goal</u>. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3 extract:

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

<u>Performance Standard</u>. With the aid of reference, perform SL-3 inventory control procedures without error.

Instructor. BI, SI

<u>Prerequisite.</u> 2000, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference

- 1. MCO P4400.150
- 2. MCO P4790.2

MMGT-2750 2.0 (*)

В

L

<u>Goal</u>. Draft a Using Unit Responsibility Items (UURI) authorization letter.

Requirement. Given the reference, complete the following:

1. Identify required UURI.

2. Draft a UURI authorization letter.

<u>Performance Standard</u>. With the aid of reference, submit to the evaluator the correctly formatted UURI authorization letter that identifies required quantities of all UURI IAW the reference.

Instructor. BI, SI

Prerequisite. None

Reference.

- 1. MCO P4790.2
- 2. Applicable end item SL-3
- 3. SecNavInst 5216.2
- 4. Unit MMSOP

MMGT-2752 2.0 (*)

В

L

Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a secondary repairable item or a scenario, conduct the following:

- 1. State the purpose of the WIR.
- State the criteria under which an item should be processed for WIR.
- 3. State the information required to submit a WIR request.
- 4. State the submission procedures for a WIR request.

<u>Performance Standard</u>. With the aid of reference, state the items in the requirement without error.

Instructor. BI, SI

Prerequisite. None

Reference

- 1. MCO P4790.2_
- 2. UM-4400
- 3. Init MMSOP
- 4. MCO P4400.82F Ch 5

MMGT-2754 2.0 (*)

В

L

Goal. Submit a maintenance cycle time extension letter.

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

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

<u>Performance Standard</u>. With the aid of reference, submit to the evaluator a correctly formatted maintenance cycle time extension letter that provides justification to exceed maximum maintenance cycle time..

Instructor. BI, SI

Prerequisite. None

Reference.

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

MMGT-2756 2.0 (*)

В

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

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

- 1. Purpose of the PQDR.
- 2. Criteria under which a PQDR should be submitted.
- 3. Information required to submit a PQDR.

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

<u>Ins</u>tructor. BI, SI

Prerequisite. None

Reference

- 1. MCO P4790.2
- 2. UM-4400
- 3. Unit MMSOP

3.9.18 OPERATIONAL MANAGEMENT (OMGT) STAGE

3.9.18.1 Purpose. To teach the trainee how to prepare TDS equipment for the deployment of a TACC.

3.9.18.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

OMGT-2802 2.0 (*) B

Goal. Identify the purpose of key planning documents.

Requirement. Identify the purpose of the following:

NAVMC 3500.73 12 MAR 12

- 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. System Security Authorization Agreement
- 7. Site Diagram.
- 8. Operational Tasking Data Link (OPTASKLINK)
- 9. State the purpose and content of the EKMS Callout.

Performance Standard. Without the aid of reference, pass a written exam with 80% accuracy. This event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. BI, SI

Reference.

- 1. MCWP 5-1
- 2. MCO P3000.18 (Marine Corps Planning Manual)
- 3. MCWP 5-11.1 (Aviation Planning)
- 4. MWCP 3-43 Appendix M

OMGT-2804 2.0 (*) B

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 OPORD. Completing the Tactical Data System Administrator Manager course at MCCES satisfies the standard.

Instructor. BI, SI

Reference. MCWP 5-1

OMGT-2806 2.0 (365) B, R

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. TMDE.
- 3. Tools.
- 4. Utilities support equipment.
- 5. Supply support items.
- 6. Logistics/movement support items.
- 7. Personnel equipment.

8. EKMS

<u>Performance Standard</u>. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement; the instructor will confirm the list supports the mission.

Instructor. BI, SI

Reference.

- 1. MCWP 3-25
- 2. TM 07736C-14/2-1,
- 3. TM 07751B-14/2,
- 4. SECNAVINST 5510.36,
- 5. EKMS-1

OMGT-2830 4.0 (1460) B,R

I

Goal. Conduct a site survey

<u>Requirement.</u> 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.
- 14. Develop a brief that addresses all event requirement items.

<u>Performance Standard</u>. 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. Instructors 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

Reference

- 1. MCDP 6
- 2. MCWP 3-25.4
- 3. MCWP 5-1
- 4. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM 10209A-14&P Equipment Description
- 5. Meshnet Ethernet Unit (MEU 1-2) TECH MANUAL 762326, Equipment Description
- 6. Network Access Unit (NAU 5-1) TECH MANUAL 762324 Equipment Description
- 7. User Control Device (UCD 1-4) TECH MANUAL 762325
- 8. System Description and Overview Communications Distribution System TECH MANUAL 762323
- 9. IEEE C95.1-1991
- 10. NAVSHIPS 0967-317-7010
- 11. TM 9406-15
- 12. DODINST 6055.11
- 13. BUMED 6470.23
- 14. OPNAVINST 5100.23 Series
- 15. NAVSEA OP 3565 / NAVAIR 16-1-529 / NAVELEX 0967-LP-624-6010 /
 Volume II
- 16. Navy Safety Center
- 17. MCO 5100.29A W/CH 1
- 18. MCO 5104.2
- 19. MCO 5104.3A

OMGT-2832 2.0 (365)

B,R

_<u>L</u>

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 schedules that support the mission. Ensure crew training and experience can support the mission. Submit the crew schedule to the instructor who will review and validate it. The trainee will then describe the process to publish the schedule. Completion of the Tactical Data System Administrator Manager course at MCCES satisfies this standard.

Instructor. BI, SI

Reference.

1. This T&R Manual

2. MCWP 3-25

OMGT-2834 3.0 (*)

В

L

Goal. Determine supply support requirements.

Requirement. Given the reference and a specific mission, determine the following:

- 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.
- Identify Intelligence Information, Command and Control Equipment and Enhancement (ICE2) requirements.
- 4. Identify bill of material (BOM) requirements.

<u>Performance Standard</u>. With the aid of reference, produce supply, float, BOM and ICE2 lists that support the given mission.

Instructor. BI, SI

Prerequisite. 2806

Reference. MCWP 3-25

OMGT-2836 1.5 (*)

В

L

Goal. Develop an embarkation plan.

Requirement. Given the references and a specific mission, complete the following: ...

- 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.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items and develop an embarkation plan to support the mission.

Instructor. BI, SI

Prerequisite. 2806

Reference

- 1. MCWP 3-25
- 2. TM 10446B-OI SAAWF Operations and Maintenance Instructions

- 3. TM 10200A-OI/1 ADCP Maintenance Manual
- 4. TM 10498B-OD TAOM Operations Maintenance Manual

OMGT-2838 8.0 (1460) B,R

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. 2806

Reference.

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

OMGT-2840 2.0 (1460) B,R (1) IOW

Goal. Prepare IOW equipment for embarkation.

Requirement. Given an IOW, packing list and an Equipment Density List (EDL):

- 1. Conduct a Limited Technical Inspections (LTIs) on applicable equipment.
- 2. Conduct an SL-3 inventory on the equipment.

Performance Standard. With the aid of reference, prepare the equipment for embarkation by completing the requirement items.

Instructor. BI, SI

Prerequisite. 2132, 2806

Reference

- 1. MCRP 4-11.3G Unit Embarkation Handbook
- 2. Local SOP
- 3. Applicable Technical Manuals

OMGT-2842 4.0 (365) B, R 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. 2806

Reference. Refer to equipment applicable TMs.

OMGT-2844 1.0 (1095)

B,R

Goal. Submit a frequency request.

Requirement. Given the reference and a scenario with operational requirements and references:

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

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

Instructor. BI, SI

Prerequisite. 2655

Reference

- 1. MCRP 3-40B
- 2. MCO 2400.2

OMGT-2846 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

<u>Performance Standard</u>. With the aid of reference, submit a completed LSR to the instructor for accuracy and validation. This event can be satisfied by completing the MACCS Maintenance Manager Course.

Instructor. BI, SI

Prerequisite. 2806

Reference. MCO P4790.2

OMGT-2848 2.0 (1460)

B,R

Τ.

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 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.

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

Instructor. BI, SI

Prerequisite. 2806

Reference. MCO P4400.150

OMGT-2850 12.0 (365)

B,R

(1) ADPE

L

Goal. Administer the Network.

Requirement. Given a configured network:

- 1. Monitor the network for connectivity.
- 2. Troubleshoot digital connectivity issues between external agencies.
- 3. Initiate corrective actions as required.
- 4. Make logbook entries.

<u>Performance Standard</u>. With the aid of reference, given a configured network, monitor and troubleshoot network activity. Take corrective action as needed and document in logbook. This event can be satisfied by completing the MACCS Maintenance Managers Course (5974) at MCCES.

Instructor. BI, SI

External Support. Applicable external MACCS agencies.

Reference

- 1. TBMCS SAM SUM
- 2. TBMCS SSA SUM
- TBMCS Trusted Facilities Manual 3.
- TBMCS PSA SUM
- 5. CCNA Exploration

OMGT-2852 12.0 (365)

B,R

(1) TDS

Verify Tactical Data Systems (TDS) is operational. Goal.

Requirement. Given a scenario and a Verification and Validation checklist from the System Load Guide, complete the following:

- 1. Verify the TDS is configured and operational.
- 2. Verify TDS processes and applications are functioning.
- Troubleshoot system faults.
- Initiate corrective actions as required.

Performance Standard. With the aid of reference, administer the TDS by completing the requirement. This event can be satisfied by completing the MACCS Maintenance Managers Course (5974) at MCCES.

<u>Instructor</u>. BI, SI

Reference

- TBMCS System Load Guide Appendix C
- 2. TBMCS Addendum A
- TBMCS SSA SUM 3.
- TBMCS IFO SUM 4.
- TBMCS COMMON SUM 5.
- TBMCS ORACLE SUM
- TBMCS SAM SUM 7.
- 8. JADSI USER'S MANUAL
- 9. IOS/IOW USER'S MANUAL
- 10. TM 10987A-OI (CDLS manual)

OMGT-2854 12.0 (365)

B, R (1) TDS

Goal. Administer TDS security.

Requirement. Given a configured network, demonstrate the following:

- 1. Assign permissions to users.
- 2. Install current Anti-virus definitions and service packs.
- 3. Configure firewalls.
- 4. Verify system classification banners.
- 5. Troubleshoot system faults.
- 6. Initiate corrective actions as required.

Performance Standard. With the aid of reference, administer TDS security by completing the requirement. This event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. BI, SI

Reference

- 1. TBMCS Trusted Facilities Manual
- 2. TBMCS SSA SUM
- 3. TBMCS PSA SUM
- 4. DODD 8570.01
- 5. DODD 8500.01_
- 6. DODI 8500.2

OMGT-2856 6.0 (365) B,R (1) CDLS, (1) DST

Τ.

Goal. Establish Link 11 HF via the CDLS.

Requirement. Given a CDLS and diagnostic support tool (DST), materials and required equipment, perform the following:

- 1. Configure equipment.
- 2. Establish Link 11 HF
- Troubleshoot error(s)
- 4. Initiate corrective actions as required.
- 5. Conduct an operational status check.

<u>Performance Standard</u>. With the aid of reference, establish Link 11 HF via the CDLS by completing the requirement. Instructor will confirm the operational check is successful.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2858 6.0 (365) B,R (1) CDLS, (1) DST

Goal. Establish Link 11B via the CDLS.

Requirement. Given a CDLS and DST, materials, and equipment:

- 1. Configure equipment.
- 2. Establish Link 11B
- Troubleshoot error(s)
- 4. Initiate corrective actions as required.

<u>Performance Standard</u>. With the aid of reference, establish link 11B via the CDLS. Ensure CDLS is operational by completing the requirement.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2860 4.0 (365) B,R (1) CDLS, (1) DST L

Goal. Establish Link 16 via the CDLS.

Requirement. Given a CDLS and DST, materials and equipment:

- 1. Configure equipment.
- 2. Establish Link 16.
- Trouble Shoot error(s)
- 4. Initiate corrective actions as required.

<u>Performance Standard</u>. With the aid of reference, established link-16 via the CDLS by completing the requirement. Instructor will ensure CDLS is operational.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2862 6.0 (365) B,R (1) CDLS, (1) DST L

Goal. Establish JREAP B/C via the CDLS.

Requirement. Given a CDLS and DST, materials and equipment:

- 1. Configure equipment.
- 2. Establish JREAP B.
- 3. Establish JREAP C.
- 4. Trouble Shoot error(s)
- 5. Initiate corrective actions as required.
- 6. Conduct operational status check.

 $\underline{\text{Performance Standard}}.$ With the aid of reference, establish JREAP B/C via the CDLS by completing the requirement. Instructor will ensure CDLS is operational.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2864 6.0 (365) B,R (1) CTT/H3 L

Goal. Establish Intelligence Links.

Requirement. Given a CTT/H3, applicable references, materials and equipment:

- 1. Configure equipment.
- 2. Establish TIPOFF-NT JREAP-C data link from secure website.
- 3. Establish TIPOFF-NT IBS-I data link.
- 4. Establish TIPOFF-NT IBS-S data link.
- Trouble Shoot error(s).
- 6. Initiate corrective action if required.
- 7. Conduct operational status check

Performance Standard. With the aid of reference, establish intelligence links via the CTT/H3 by completing the requirement. Instructor will ensure CTT/H3 is operational.

Instructor. BI, SI

Prerequisite. 2152, 2156

Reference.

- 1. TM 10987A-OI (CDLS manual)
- 2. TM 10389A-30&P/2
- 3. TM 10389A-12&P/1

OMGT-2866 6.0 (365)

B,R (1) LMS-MT

Goal. Establish Link 11B via the LMS-MT.

Requirement. Given a LMS-MT, materials and equipment:

- 1. Configure equipment.
- 2. Establish Link 11B.
- 3. Trouble Shoot error(s).
- 4. Initiate corrective actions as required.
- 5. Conduct an operational status check.

Performance Standard. With the aid of reference, established link 11B via the LMS-MT by completing the requirement. Instructor will ensure Link 11B is operational.

Instructor. BI, SI

<u>Prerequisite</u>. 2180, 2182, 2184, 2186

Reference. LMS User's Manual

OMGT-2868 6.0 (365) B,R (1) LMS-MT

Goal. Establish Link 16 via the LMS-MT.

Requirement. Given a LMS-MT, materials and required equipment, perform the following:

- 1. Configure equipment.
- 2. Establish Link 16.
- Trouble Shoot error(s)
- 4. Initiate corrective actions as required.

Performance Standard. With the aid of reference, established link 16 via the LMS-MT by completing the requirement. Instructor will ensure Link 16 is operational.

Instructor. BI, SI

Prerequisite. 2180, 2182, 2184, 2186

Reference. LMS User's Manual.

OMGT-2870 6.0 (365) B,R (1) LMS-MT

Goal. Establish JREAP B/C via the LMS-MT.

Requirement. Given a LMS-MT, materials and equipment, perform the following:

- 1. Configure equipment.
- 2. Establish JREAP B.
- 3. Establish JREAP C.
- 4. Trouble Shoot error(s)
- 5. Initiate corrective actions as required.
- 6. Conduct an operational status check.

Performance Standard. With the aid of reference, established JREAP B/C via the LMS-MT by completing the requirement. Instructor will ensure JREAP B/C is operational.

Instructor. BI, SI

Prerequisite. 2180, 2182, 2184, 2186

Reference. LMS User's Manual

OMGT-2872 4.0 (365) B, R 1 CDLS, 1 DST L

Goal. Provide Link 11 UHF via the CDLS.

Requirement. Given a CDLS and a DST, materials and equipment:

- 1. Configure equipment.
- 2. Establish Link 11 UHF
- Trouble Shoot error(s)
- 4. Initiate corrective actions as required.
- 5. Conduct an operational status check.

Performance Standard. With the aid of reference, establish Link 11 UHF via the CDLS by completing the requirement. Instructor will ensure Link 11 UHF is operational.

Instructor. BI, SI

<u>Prerequisite</u>. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2874 4.0 (365) B, R 1 CDLS, 1 DST

Goal. Provide JREAP A via the CDLS.

Requirement. Given a CDLS and DST, materials and equipment:

- 1. Configure equipment.
- 2. Establish JREAP A.
- 3. Trouble Shoot error(s).

- 4. Initiate corrective actions as required.
- 5. Conduct operational status check.

Performance Standard. With the aid of reference, establish JREAP A via the CDLS by completing the requirement. Instructor will ensure CDLS is operational.

Instructor. BI, SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

OMGT-2876 4.0 (365) B, R 1 CDLS, 1 DST

Goal. Provide JREAP A via the LMS-MT.

Requirement. Given a CDLS and DST, materials and required equipment, perform the following:

- 1. Configure equipment.
- 2. Establish JREAP A.
- 3. Trouble Shoot error(s)
- 4. Initiate corrective actions as required.
- 5. Conduct an operational status check.

Performance Standard. With the aid of reference, administer the CDLS by completing the requirement.

Instructor. BI, SI

Prerequisite. 2180, 2182, 2184, 2186

Reference. LMS User's Manual

3.9.19 ORGANIZATIONAL STRUCTURE (ORGS) STAGE

3.9.19.1 Purpose. To provide the 5974 with the requisite skills and working knowledge relating to the organizational capabilities of adjacent and higher agencies. This stage provides general information on the mission, concept of employment, organization and equipment of the MAW and supporting agencies.

3.9.19.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

4.0 ORGS-2900 (*)

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Control Squadron (MACS).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within.)
 - a. Headquarters sections, to include:
 - (1) Communications Maintenance
 - (2) Operations Communications
 - b. Tactical Air Operations Center (TAOC)
 - (1) S3
 - (2) S6
 - (a) Radar
 - (b) Tactical Data Systems Maintenance (TDSM)
 - (3) TAOC sections and crew composition (maintenance and operations)
 - c. Early Warning and Control (EWC)
 - (1) S3
 - (2) Communication Electronics Maintenance Officer
 - (a) Radar
 - (b) Tactical Data Systems (TDS)
 - (3) EW/C sections and crew composition (maintenance and operations)
 - d. Marine Air Traffic Control Detachments (MATCD) Describe sections and crew composition (maintenance and operations) for each.
 - (1) Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS) MATCD
 - (2) Marine Air Traffic Control All-Weather Landing System (MATCALS) MATCD
 - (3) Tower/TACAN Detachment
 - (4) MATC Mobile Team (MMT)
- Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/TPS-59 Long Range Radar
 - b. AN/TPS-63 Medium Range Radar
 - c. AN/TYQ-23 Tactical Air Operations Module (TAOM)
 - d. AN/MSQ-124 Air Defense Communication Platform (ADCP)
 - e. AN/TYQ-87 Sector Anti Air Warfare Facility (SAAWF)
 - f. AN/TSQ-239 V4 Combat Operations Center (COC)
 - g. AN/USC-55A
 - h. AN/TPN-31A Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS)
 - i. AN/TSQ-131 (CCS)
 - j. AN/TPN-73 Air Surveillance Radar (ASR)
 - k. AN/TPN-22 Precision Approach Radar (PAR)
 - 1. AN/TSO-120B Tower
 - m. AN/TRN-44A Tactical Air Navigation (TACAN)
 - n. AN/TSQ-216 Remote Landing Site Tower (RLST)
 - o. AN/TRN-47 Tactical Air Navigation (TACAN)

Performance Standard. With the aid of reference, complete each

requirement item by stating the required information correctly in written or verbal form; instructor's choice. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8004, 8005

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.6
- 3. MCWP 3-25.7
- 4. MCWP 3-25.8
- 5. Approved Core METL applicable to the unit
- 6. TM 10498B-OD TAOM Operations Maintenance Manual
- 7. UM 2005
- 8. TM 07736C
- 9. TM 07751B
- 10. TM 10200A-OI/1
- 11. TM 10446B-OI
- 12. TM 10389-12 CTT
- 13. TM 10389-30 CTT

ORGS-2905 2.0

В

Goal. Identify the mission, organizational units, and major systems of the air traffic control units aboard Marine Corps air stations and facilities.

Requirement. Given the references, state or identify the below listed requirement items:

- 1. Identify the location of all Marine Corps air stations and facilities
- State the mission of the air traffic unit
- 3. Identify the organizational sections and the function of each
 - a. Headquarters sections
 - b. Communications
 - c. Radar
 - d. NAVAIDS
 - Weather
- Major systems and subsystems and state the capabilities and limitations of each.
 - a. Ehanced Terminal Voice Switch (ETVS)
 - b. Air Surveliance Radar (ASR)
 - c. Precision Approach Radar (PAR)
 - d. Tactical Air Communication and Navigation (TACAN)
 - e. Standard Terminal Automation Replacement System (STARS)
 - f. Visual Communication (VISCOM)

Performance Standard. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8005

Reference. MCWP 3-25.8

ORGS-2910 2.0 (*) В

Goal. Identify the mission, organizational units, and major systems of the Marine Air Support Squadron (MASS).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections
 - b. Communications Electronics
 - c. Direct Air Support Center (DASC) describe sections and crew composition (maintenance and operations) for each.
 - d. DASC(Airborne) describe sections and crew composition (maintenance and operations) for each
 - e. Air Support Element (ASE) describe sections and crew composition (maintenance and operations) for each
 - f. Air Support Liaison Teams (ASLT) describe crew composition.
- Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/MRC-148 Radio Sets
 - c. AN/MRC-145 Radio Sets
 - d. AN/UYQ-3B Direct Air Support Central Air Support System (DASCAS)
 - e. AN/TSQ-239 V2 Combat Operations Center (COC)

Performance Standard. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8003

Reference

- 1. MCRP 5-12D
- 2. MCWP 3-25.5
- 3. Approved Core METL applicable to the unit

ORGS-2915 2.0 (*)

В

Goal. Identify the mission, headquarter and TACC sections, and major systems of the Marine Tactical Air Command Squadron (MTACS).

Requirement. Given the references, state or identify the below listed requirement items:

1. State the squadron mission and concept of employment.

- 2. Identify the organizational units (state the structure of each unit and the function of the sections within.)
 - a. Headquarters Sections
 - TACC sections and crew structure (maintenance and operations)
 - 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/TYY-2 Theat3er Battle Management Core Systems (TBMCS)
 - c. AN/TYQ-101A Communication Data Links System (CDLS)
 - d. AN/URC-107 (V)10 Joint Tactical Information Distribution System (JTIDS)
 - e. AN/USC-55A Commanders Tactical Terminal (CTT)
 - f. Link Management System Multi TDL (LMS-MT)
 - g. Intelligence Operations Workstation (IOW)
 - h. Intelligence Operations Server (IOS)
 - i. Advance Field Artillery Tactical Data System (AFATDS)
 - j. AN/TSQ-239 V2 Combat Operations Center (COC)
 - k. Common Connectivity Device (CCD)
 - Joint Automated Deep Operations Coordination System (JADOCS)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8002

Reference

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

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ORGS-2920 2.0 (*)

I

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Low Altitude Air Defense Battalion (LAAD Bn).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
 - a. Primary
 - b. Secondary
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters Services Battery
 - b. Firing Batteries
 - c. Firing Sections
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. Man Portable Air Defense System (MANPADS)
 - b. AN/MRC-148 Radio Set
 - c. AN/MRC-145 Radio Set
 - d. AN/TSQ-239 V4 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8006

Reference

- 1. MCRP 5-12D
- 2. MCWP 3-25.10
- 3. MCWP 3-25.10a
- 4. Approved Core METL applicable to the unit.

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ORGS-2925 2.0 (*)

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<u>Goal</u>. Identify the mission, organizational units, and major systems of the VMU Squadron.

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections
 - b. Unmanned Aircraft Systems Detachments (UASD)
 - (1) Headquarters Detachment
 - (2) UAS Detachments A, B, C
 - (3) UAS sections and crew composition (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/TSQ-239 V4 Combat Operations Center (COC)
 - b. Marine Corps Tactical Unmanned Aircraft System (Shadow, RQ-7B)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8007

Reference

- 1. MCRP 5-12D
- 2. MCWP 3-26
- 3. MCWP 3-42.1
- 4. Approved Core METL applicable to the unit

В

ORGS-2930 2.0 (*)

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<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Wing Communications Squadron (MWCS).

Requirement. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- Identify the organizational units (state the structure of each unit and the function of the sections within)
 - a. Headquarters sections
 - b. Detachments A, B, C, sections and crew composition (maintenance and operations)
- Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. LMST
 - b. High Frequency Vehicular Radio (MRC-148)
 - c. Singars (MRC-145)
 - d. Digital Wideband Transmission System (MRC-142)
 - e. Very Small Aperture Terminal (VSAT)
 - f. Phoenix
 - g. TSM
 - h. DDS-R
 - i. DTC
 - j. TDN Gateway
 - k. AN/TRC-170
 - 1. AN/TSQ-239 V4 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8008

Reference

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

ORGS-2935 2.0 (*)

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 $\underline{\text{Goal}}\,.$ Identify the mission and support provided by the Marine Wing Support Squadron (MWSS).

 $\underline{\text{Requirement}}.$ Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the functional support areas
 - a. Weather Services
 - b. EAF Services
 - c. Refueling
 - d. Explosive Ordnance Disposal
 - e. Essential Engineer Services
 - f. Motor Transport
 - g. Field Mess Facilities
 - h. Sick-Call and Aviation Medical Functions
 - i. Nuclear Biological and Chemical Defense
 - j. Security and Law Enforcement Services

- k. Internal airfield communication
- 1. Airbase Commandant functions

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8028

Reference

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

В

ORGS-2940 2.0 (*)

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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.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

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

ORGS-2945 2.0 (*) B

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<u>Goal</u>. Identify the mission of Higher Headquarters and supporting establishments.

Requirement. Given the reference, identify the mission, organizational structure and location of each of the following:

- 1. Higher Headquarters
 - a. Marine Air Control Group (MACG)
 - b. Marine Air Group (MAG)
 - c. Marine Aircraft Wing (MAW)
 - d. Marine Expeditionary Forces (MEF)
 - e. Marine Corps Installations (East and West)
 - f. Marine Forces (MARFORCOM, MARFORPAC, MARFORRES)
 - g. Headquarters Marine Corps (APX)
- 2. Supporting Establishments: Explain how each organization supports the MACCS:
 - a. Marine Corps Systems Command (MARCORSYSCOM)
 - (1) Marine Corps Tactical Systems Support Activity (MCTSSA)
 - (2) Program Group 09 Operational Forces Systems (OFS)
 - (3) Program Group 11 MAGTF C2, Weapons and Sensors Development and Integration (MC2I)
 - (4) Program (PEO) Land Systems
 - b. Marine Corps Combat Development Command (MCCDC)
 - c. Training and Education Command (TECOM)
 - (1) Aviation Training Branch (ATB)
 - (2) Marine Corps Communication Electronics School (MCCES)
 - (3) Marine Aviation Training Support Group (MATSG) 21)
 - d. Aviation Program Expeditionary Enablers (APX)
 - e. Marine Corps Logistics Command (MARCORLOGCOM)
 - f. Naval Air Systems Command (NAVAIR) PMA-213 / 205
 - (1) Space and Naval Warfare Systems Command (SPAWARS)
 - (2) Naval Air Warfare Center Aircraft Division (NAWC-AD)
 - g. Logistics Command
 - (1) MCLB Barstow Maintenance Center
 - (2) MCLB Albany item managers
 - (3) Repairable Issue Point (RIP)

<u>Performance Standard</u>. Without the aid of reference, pass a written exam with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. 8001, 8063

Reference. MCWP 3-25.3

ORGS-2950 4.0 (1460)

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 $\underline{\operatorname{Goal}}$. Draw an Overview (OV) chart of the MACCS concept of employment.

Requirement. Given the references, draw an OV chart depicting how a notional MACCS could be employed. Include all the MACCS agencies and how they are employed in the battle area to include:

- 1. Major Systems
- 2. Agencies
- 3. Interoperability and lines of communications
 - (a) Data links (TDL)
 - (b) Voice comm
 - (c) Data comm
 - (d) Networks
- 4. Submit the OV chart to the instructor for review.

5. Develop and submit a brief on the OV chart.

<u>Performance Standard</u>. Draw the OV chart and submit it to the instructor who will review for correctness. Provide a brief to the instructor and the maintenance chief/maintenance officer. The instructor will ensure the brief and the OV chart covers all MACCS agencies and major systems (to include UAS and MWCS). Communications architecture should be IAW the reference.

Instructor. BI, SI

Prerequisite. 8000, 8028, 8063

Reference.

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

3.10 MISSION SKILL PHASE (3000 Phase)

- 3.10.1 <u>Purpose.</u> To develop mission skill proficiency for personnel to be able to perform their assigned duties under general or minimal supervision while directly supporting the unit mission essential tasks. At the completion of all required training in this phase, the trainee will be eligible for designation, as applicable.
- (1) Basic Technicians will gain mission skill proficiency in basic networking, basic systems administration, and basic systems management on command and control systems at the TACC. They will be able to perform their duties under general supervision.
- (2) Advance Technicians will gain mission skill proficiency in advance networking, advanced systems administration, advanced systems management, and data link setup and maintenance on command and control systems at the TACC.
- (3) Crew Chiefs will gain mission 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.
- (4) Maintenance Chiefs will gain mission skill proficiency in supervising and managing maintenance section operations to include networking, security administration, advanced systems management on command and control systems, and maintenance management.

3.10.2 General

3.10.2.1 <u>Prerequisite.</u> Complete all core skill events for the position being trained.

3.10.2.2 Admin Notes.

(1) Training in this phase does not preclude simultaneous training in the core plus phase.

3.10.2.3 <u>Stages.</u> The following stages are included in the Mission Skill Phase of training.

PAR.NO.	STAGE NAME
3.10.3	DEPLOYMENT (DEPL)
3.10.4	MAINTENANCE MANAGEMENT (MMGT)
3.10.5	OPERATIONS MANAGEMENT (OMGT)

3.10.3 DEPLOYMENT PLANNING (DEPL) STAGE

3.10.3.1 <u>Purpose.</u> To teach the trainee 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.

3.10.3.2 General

DEPL-3005

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

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Requirement. Given an Equipment Density List (EDL) that supports the mission, prepare system for embark:

1. Conduct proper system power down/teardown.

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- 2. Layout and conduct an SL-3 inventory of the equipment
- 3. Conduct Limited Technical Inspections on listed equipment
- 4. Pack and secure equipment.

(730)

Goal. Prepare system for embark.

- 5. Create a packing list
- 6. Placard/label the shelters for embark

<u>Performance Standard</u>. 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.

Prerequisite. 2132, 2405, 2500, 2535, 2806, 2838, 2840

Instructor. SI

Reference

- 1. MCO 3120.6 (Standard Embarkation Management System)
- 2. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM 10209A-14&P Equipment Description

DEPL-3010 8.0 (730) B,R

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

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

- 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.

Prerequisite. 2132, 2405, 2500, 2535, 2806, 2838, 2840, 3005

Instructor. SI

Reference

- 1. MCO 3120.6
- 2. Applicable TMs/UMs

3.10.4 MAINTENANCE MANAGEMENT (MMGT) STAGE

3.10.4.1 Purpose. To teach the trainee how to maintain maintenance programs in support of maintenance production efforts.

3.10.4.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

MMGT-3100 2.0 (*) B

Goal. Verify corrective maintenance repair process is being conducted.

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

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

<u>Performance Standard</u>. With the aid of reference, complete the requirement items without error. The instructor should ask questions during the training session to check for understanding of the CM process.

Instructor. SI

Prerequisite. 2500, 2540, 2710, 2748

Reference

- 1. MCO P4790.2C
- 2. TM-4700-15/1
- 3. UM-4790.5
- 4. MCO P4400.16G
- 5. MCBUL 3000
- 6. Applicable end item TM

MMGT-3105 2.0 (1095)

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Goal. Validate the float assets.

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

- 1. Review the documentation given and provide recommendations for organizational Critical Low Density Float assets and required on-hand quantities.
- Conduct a float re-computation.
- 3. Submit float re-computation to the instructor for validation.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor will review and validate the recomputation and provide feedback to the trainee.

<u>Instructor</u>. SI

Prerequisite. 2500, 2540, 2712

Reference

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

MMGT-3110 3.0 (*)

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Goal. Assess maintenance funding requirements.

Requirement. Given a scenario, 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(s) utilization.
- 3. Provide an anticipated maintenance funding request based on the unit's TEEP.
- 4. Submit a budget request with justification to the instructor.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items. Instructor shall ensure the budget request and justification submitted supports the scenario.

Instructor. SI

Prerequisite. 2714

Reference

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

3.10.5 OPERATIONS MANAGEMENT (OMGT) STAGE

3.10.5.1 <u>Purpose</u>. To teach the trainee how to ensure TDS are functioning properly and to manage crews in an operational environment.

3.10.5.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

OMGT-3204 1.0 (730)

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Goal. Verify COMSEC handling procedures.

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Requirement. Given a scenario or live event and EKMS materials, supervise proper COMSEC handling procedures:

- Verify the procedures for storage, transportation, 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.

<u>Performance Standard</u>. Without the aid of reference, verify proper handling of keying materials and devices to preclude no EKMS Practices Dangerous to Security (PDS) or incidents.

Instructor. SI

Prerequisite. 2600, 2605, 2610, 2615, 2620

Reference

- 1. EKMS-1A
- 2. SECNAVINST 5510.36

OMGT-3206 40.0 (365)

B,R

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Goal. Identify Operational Requirements.

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

- 1. Communication electronics equipment required.
- 2. Engineering equipment.
 - a. Air conditioners.
 - b. Heavy equipment.
 - c. Generators.
- 3. Personnel required.
 - a. Identify minimum number of mission skilled maintainers per crew required to support the mission
 - b. Identify minimum number of designated leaders required to support the mission
 - c. List the administrative requirements for crew.
 - (1) Tactical license
 - (2) Security Clearance
- 4. Cryptographic equipment required.
- 5. Logistics support required.
- 6. Supply support required.
 - a. Bill of Material (BOM) requirements.
 - b. 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. Draw a site layout plan.
- 10. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
- 11. Submit the site layout and brief the instructor on the plan.

<u>Performance Standard</u>. With the aid of reference, complete the requirements items.

- 1. Instructor will review the site layout and provide feedback to the trainee.
- Trainee will adjust the brief to reflect the feedback and brief the instructor.
- 3. Trainee will brief the instructor and maintenance officer.
- 4. Instructor will question the trainee during the brief to check for understanding of the planning process.

Instructor. SI

Prerequisite. 2804, 2806, 2832

Reference

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

OMGT-3208 5.0 (365) B, R

L

Goal. Perform in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Perform daily assigned maintenance duties while in a simulated CBRN environment.

- 1. Begin in MOPP-0 and graduate to MOPP-IV over a four hours period.
- 2. Plan personnel rotations while in MOPP gear.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items IAW the reference for a period of four hours. The instructor may provide minimal guidance. ORM and safety precautions shall be adhered to.

Instructor. SI

Prerequisite. Complete annual mask confidence course.

External Syllabus Support. MOPP gear

Reference.

- 1. FM 11-1 NBC Operations
- 2. MCO P3440.4G

OMGT-3210 2.0 (1460)

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<u>Goal</u>. Understand Basic maintenance section operations.

.Requirement. During an quided discussion, address the following: ...

- 1. State the mission of the squadron.
- State how the maintenance section supports the squadron mission.
- 3. State the purpose of each functional area within the maintenance section.
- 4. State the BT's role and responsibilities within the maintenance section.
- 5. State the purpose and function of each PEI and associated ancillary equipment within the maintenance section.
- 6. State the purpose of preventive and corrective maintenance.
- 7. List the different maintenance schedules.
- 8. State the communications security processes and requirements, to include:
 - a. List COMSEC equipment
 - (1) Loader (section specific)
 - (2) Organic crypto equipment (section specific)
 - b. State the office responsible for managing COMSEC equipment
 - c. Explain the COMSEC checkout and turn-in procedures
- 9. Explain the purpose of MIMMS
- 10. Explain the following maintenance procedures, to include:
 - a. Initial identification of a fault
 - b. Induct the item into the maintenance system
 - c. Receive, install and OPCHECK the new item
 - d. List the required documentation
- 11. State the purpose of the shop's safety board and identify the each item and what their use is.
- 12. State the purpose of a Material Safety Data Sheet (MSDS) and where they are located within the shop.
- 13. State the procedures that would be used for an electrical shock victim.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of the items.

<u>Instructor</u>. SI

Prerequisite. 2500, 2520, 2722

Reference.

1. MCO P4790.2

OMGT-3212 2.0 (1460)

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 $\underline{\text{Goal}}$. Understand basic deployment considerations for the maintenance section.

Requirement. During a quided discussion, address the following:

- 1. Predeployment considerations
 - a. State the purpose of a packing list and content
 - b. State the purpose the Bill of Materials (BOM) and content
 - c. State the purpose of a float list and content

- d. List the support equipment required for each PEI
- e. List the MIMMS forms needed during deployment, their purpose and content
- f. List the publications required
- g. List communications requirements for each PEI
 - (1) Frequencies
 - (2) Bandwidth required
- h. List the power requirements for each PEI
- i. List the ECUs required to support each PEI
- 2. Embarkation considerations
 - a. State specifications of each PEI and ancillary equipment
 - b. State transport required to move each end item:
 - (1) Person
 - (2) MHE
 - (3) Air
 - (4) Ground
 - (5) Ship
 - c. State safety consideration for movement of each PEI
 - d. State proper labeling of each item
 - e. Staging of equipment for embark
- 3. Setup considerations
 - a. Equipment placement location
 - b. Grounding
 - c. Power and fuel sources
 - d. Obstructions (natural or manmade)
 - e. Sequence of equipment setup
 - f. Sequence of turning on equipment
- 4. Sustain Operations considerations
 - a. Requirement for PMCS
 - b. State the purpose of a refueling schedule
 - c. State the periodic checks required
 - d. Environmental considerations to include HAZMAT containment, spillage prevention, and disposal
- 5. Retrograde considerations
 - a. Prioritize sequence of equipment turn off and teardown
 - b. Review packing list
 - c. Stage the equipment for embark
 - d. Identify the required transport for retrograde
 - e. Turn-in temp loaned equipment
 - f. HAZMAT disposal
 - g. Clean up and restore area

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. The instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each consideration.

Instructor. SI

Prerequisite. 2500, 2520, 2535, 2722, 2806, 2836, 3210

Reference. MCO P4790.2

OMGT-3214 3.0 (1460) B,R L

Goal. Understand advance operations of the maintenance section.

Requirement. During a guided discussion address the following:

- 1. State the community core METs and output standards for each.
- 2. State the implied maintenance tasks for each MET.
- 3. Identify the different sections within the squadron and state their function:
 - a. "S" sections
 - b. Supply
 - c. MMO
 - d. Motor Transport
 - e. Utilities
 - f. EKMS
 - g. CMMC
 - h. Squadron Detachments and their sections
- 4. Discuss directives governing inspection of functional areas, at a minimum:
 - a. MCO 4700.
 - b. MCO 4790.2
 - c. Unit SOP
- State the AT's role and responsibilities within the maintenance section.
- State those PEIs within the squadron that function as an integrated system
- 7. State the importance of writing and adhering to the different maintenance schedules according to NAVMC 10561.
- 8. Explain how different environments/operational commitments can impact the maintenance schedules.
- 9. Explain the methods used to secure COMSEC items during operations.
- 10. Explain the process from induction to disposal of PEIs.
- 11. Identify the key sections in an OPLAN that provide mission requirements.
- 12. Identify the different external agencies the squadron normally interconnects with during an operation/exercise.

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each item.

Instructor. SI

<u>Prerequisite</u>. 2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242

Reference.

- 1. UM 4700
- 2. UM 4790

OMGT-3216 3.0 (1460)

B,R

T.

<u>Goal</u>. Understand advance deployment considerations for the maintenance section.

Requirement. Given a mission by the instructor, during a guided discussion, address the following:

- 1. List the essential information needed to begin planning to deploy the section.
- 2. State the purpose and key elements of a site survey.
 - a. Primary and alternate site determinants
 - b. Tactical orientation of site
 - c. Emplacement of equipment, to include
 - d. Existing resources on site
- 3. Equipment considerations:
 - a. State the PEI in an EDL and ancillary equipment required to support the mission.
 - b. Determining power and fuel requirements.
 - c. List communications requirements (frequency and bandwidth).
 - d. List the key equipment publications for each PEI.
 - e. List the software required for each PEI as applicable.
 - f. State the secondary repairables that would be required on a float list, and factors that may impact the list.
 - g. State the process for writing a packing list.
 - h. State the process for writing Bill of Materials (BOM).
 - i. State the MIMMS processes.
- 4. Architecture considerations:
 - a. Communications
 - b. Data
- 5. Embarkation considerations for PEIs:
 - a. State capabilities and limitations of each PEI.
 - b. State the different transport configurations.
 - c. State special considerations for PEI transportation.
 - d. State safety consideration for embarkation.
 - e. Explain the purpose of pre-staging equipment:
 - a. Squadron section involved
 - b. Maintenance section role in the process.
- 6. Equipment Setup considerations:
 - a. Determine site area capabilities and limitations
 - (1) Access
 - (2) Obstructions
 - (3) Survivability
 - (4) Existing support and resources available
 - (5) Equipment security
 - b. Establish sequence of equipment setup.
 - c. State the reason there is a sequence for energizing and de-energizing equipment.
- 7. Sustain Operations considerations
 - a. Schedule for PMCS.
 - b. Adequate refueling schedule.
 - c. Environmental considerations to include HAZMAT containment, spillage prevention, and disposal procedures.
- 8. Retrograde considerations
 - a. Establish sequence of equipment turn off and teardown.
 - b. Develop a staging plan for retrograde.
 - c. Identify transportation requirements.
- 9. Personnel considerations
 - a. Required T&R skill sets.
 - b. Crew composition and total crews.
 - c. State factors that make a personnel non-deployable.

d. Transportation arrangements

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. The instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each consideration.

Instructor. SI

<u>Prerequisite</u>. 2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3214, 3242

Reference.

- 1. UM 4700
- 2. UM 4790

OMGT-3218 4.0 (1460)

B,R

Τ.

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Goal. Understand how to manage a maintenance section.

Requirement. During guided discussions, address the following:

- List operational units and supporting establishments and their missions:
 - (a) MACG and subordinate squadrons
 - (b) Higher Headquarters up to HQMC
 - (c) Supporting establishments
- List the external agencies (including Joint agencies) that traditionally integrate/communicate with the squadron during operations
- List the PEIs for each MACCS agency and state the purpose, capabilities and limitations of each.
- State those PEIs within each agency that function as an integrated system
- 5. State the community core METs and output standards for each.
- 6. State the implied maintenance tasks for each MET.
- 7. Explain the methods used to secure COMSEC items during operations.
- 8. Describe the architectures for:
 - (a) MACCS Integration
 - (b) Communications
 - (c) Data
- 9. List the doctrinal publications and key documents essential to determining mission and T&R requirements
 - (a) MCWP
 - (b) Concept of Employment
 - (c) OPLANs
 - (d) Annex K
 - (e) TEEP
 - (f) Community T&R Manual
- 10. For each publication and document listed above:
 - (a) State the purpose
 - (b) State the general content
 - (c) State what pertinent information each provides
- 11. Describe the equipment reconciliation process
 - (a) LM2
 - (b) Daily Process Report (DPR)

- (c) Daily Transaction Lists (DTL)
- (d) Exceptions Report
- 12. Describe the float process
- 13. Describe the MIMMS process
- 14. Describe the QA process
- 15. Describe the process to change unit T/O and equipment allocation, to include:
 - (a) Purpose of a TOECR
 - (b) TOECR submission process and forms required
 - (c) System used to process (TFSMS).
 - (d) Reasons a TOECR would be submitted
- 16. Describe the UNS and UUNS process
- 17. Describe the frequency request process and timelines
- 18. Funding Lines
 - (a) O&EM
 - (b) Plan and Estimate (PE)
 - (c) Requisitions Authority (RA)
 - (d) MILCON
- 19. Identify and describe major milestones in the deployment planning process from mission through retrograde
- 20. List and explain the major deployment milestones and their importance, to include:
 - (a) Predeployment
 - (b) Deployment
 - (c) Retrograde
- 21. Explain how a new equipment item is acquired by the Marine Corps and how each step impacts the maintenance section:
 - (a) Identifying the requirement
 - (b) Appropriating
 - (c) Fielding
 - (d) Induction
 - (e) Disposal
 - (f) Sundown

<u>Performance Standard</u>. Complete the requirement items IAW the reference. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each item.

Instructor. SI

Prerequisite. 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242

Reference.

- 1. UM 4700
- 2. UM 4790

OMGT-3222 4.0 (365) B,R (1) TDS L

Goal. Manage the Network

Requirement. Given a network, a checklist, applicable references, materials, and equipment:

- 1. Connectivity checks.
- 2. Log files check.
- 3. Network time check.
- 4. Trouble shoot network error(s).
- 5. Initiate corrective action if required.
- 6. Conduct an operational status check.

<u>Performance Standard</u>. With the aid of reference, manage the network by completing the requirement items and the checklist IAW the reference. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2030, 2035, 2040, 2045

Reference.

- 1. TBMCS SUMs
- 2. PSA SUM
- 3. SSA SUM
- 4. CCNA Exploration

OMGT-3224 12.0

L

Goal. Manage TBMCS.

Requirement. Given TBMCS, applicable references, materials, and equipment complete the following:

(1) TBMCS

- 1. Update DNS
- 2. Update Active Directory
- 3. Update Microsoft exchange services
- 4. Update Licensing
- 5. Verify IRIS Services are running

(365) B, R

- 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)
- 20. Initiate corrective action if required.
- 21. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the TBMCS by completing the requirement. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES.

Instructor. SI

Prerequisite. 2100, 2102

Reference. TBMCS SUMs

OMGT-3226 2.0 (365) B,R (1) ADPE

Goal. Manage ADPE.

Requirement. Given a network, applicable references, materials, and equipment:

- 1. Verify connectivity.
- 2. Check system log.
- 3. Check system time.
- 4. Check Network time.
- Troubleshoot error(s).
- 6. Initiate corrective action if required.
- 7. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the ADPE by completing the requirement. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2130, 2132, 2134, 2136, 2138

Reference.

- 1. Applicable user manuals
- 2. TBMCS PSA SUM

OMGT-3228 2.0 (365)

B,R (1) AFATDS

L

Goal. Manage the AFATDS.

Requirement. Given an AFATDS, applicable references, materials, and equipment:

- 1. Verify COMM Channel status
- 2. Verify JREAP status
- 3. Log Files Check
- 4. Network Time Check
- 5. Trouble Shoot error(s)
- 6. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the AFATDS by completing the requirement. Verify an operational system with

the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2050, 2055, 2060, 2065

Reference.

- 1. TM 7025-OR/1
- 2. TM 7025-OR/2
- 3. TM 7025-OR/3

OMGT-3230 2.0 (365)

B, R_____ (1) IOS

L

Goal. Manage IOS.

Requirement. Given an IOS, applicable references, materials, and required equipment:

- 1. Verify CST status.
- 2. Verify JREAP status.
- 3. Purge Database.
- 4. Backup system.
- 5. Check log files.
- 6. Check network time.
- 7. Troubleshoot error(s).
- 8. Initiate corrective action if required.
- 9. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the IOS by completing the requirement items and the checklist. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2075, 2080, 2085, 2090

Reference. IOS/IOW User' Manual

OMGT-3232 4.0 (365) B,R (1) CDLS, (1) DST

Goal. Manage the CDLS.

Requirement. Given a CDLS and DST, applicable references, materials and equipment:

- 1. Check Log Files
- 2. Network Time Check
- 3. Trouble Shoot error(s)
- 4. Initiate corrective actions as required.
- 5. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the CDLS by completing the requirement items and the checklist. Verify an operational system with the aid of references. Event can be

satisfied by completing the Tactical Data System Administrator Manager course at MCCES.

Instructor. SI

Prerequisite. 2150, 2154, 2158, 2160

Reference. TM 10987A-OI (CDLS manual)

(365)

B,R (1) COC

Goal. Manage COC.

Requirement. Given a COC, applicable references, materials, and equipment:

- 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).
- 16. Conduct an operational status check.

Performance Standard. With the aid of reference, manage the COC by completing the requirement. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2170, 2172, 2174, 2176

Reference. COC IETM

OMGT-3236 4.0 (365) B,R (1) LMS-MT

Goal. Manage LMS-MT.

Requirement. Given a LMS-MT, applicable references, materials and equipment:

- 1. Perform system backups
- 2. Check Log Files
- 3. Network Time Check
- 4. Trouble Shoot error(s)
- 5. Initiate corrective actions as required.

<u>Performance Standard</u>. With the aid of reference, manage the LMS-MT by completing the requirement. Verify an operational system with the aid of references. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES

Instructor. SI

Prerequisite. 2180, 2182, 2184, 2186

Reference. LMS User's Manual

OMGT-3238 4.0 (365)

B,R

L

Goal. Design network architecture.

Requirement. Given required network information, draw 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.

<u>Performance Standard</u>. With the aid of reference, draw the network architecture to include the requirement items. The event can be satisfied by completing the Tactical Data System Administrator Manager course at MCCES.

Instructor. SI

Prerequisite. 2030, 2035, 2040, 2045

Reference

- 1. DODD 8570.01
- 2. DODD 8500.01E
- 3. DODI 8500.2

OMGT-3240 2.0 (365)

B,R

L

Goal. Design a data link architecture.

Requirement. Given an Op Order and an OPTASK Link, draw a visual representation of the data link architecture to include:

- 1. Identify the data link requirement.
- 2. Identify the CST link requirement.
- 3. Identify the C2 platforms and determine the required connectivity
- 4. Develop a visual representation of the architecture to include units and primary and alternate modes of transmission.

<u>Performance Standard</u>. With the aid of reference, draw the data link architecture to include the requirement items. The event can be

satisfied by completing the Tactical Data System Administrator Manager course at ${\tt MCCES}$

Instructor. SI

Prerequisite. 2850

Reference

- 1. MCRP 3-25C Introduction to TADIL J and Quick Reference Guide
- 2. CJCSM 6120.01
- OPTASKLINK
- 4. OPORD

OMGT-3242 2.0 (365) B,R (1) ISO SHELTER I

Goal. Erect AN/TYQ-1(V).

Requirement. Given a locally developed site diagram and as a crew of 6:

- 1. Emplace unit specific shelters according to site diagram.
- 2. Emplace 3-In-1 according to site diagram.
- 3. Emplace MERWS according to site diagram.
- 4. Level shelters as required.
- 5. Ground shelters.
- 6. Cable shelters.
- 7. Power shelters.
- 8. Emplace TDS equipment according to site diagram.
- 9. Cable TDS equipment.
- 10. Power TDS equipment.
- 11. Complete MIMMS administrative paperwork.

Performance Standard. With the aid of reference and IAW the site diagram, all shelters will be erected, cabled, and powered. All TDS equipment will be emplaced, cabled and powered. Each member that participates in performing the requirements above will be given credit for completion of the event.

Mechanical failure of the equipment does not necessarily constitute failure of this event. Instructor will ensure each trainee demonstrates an understanding of items 1-10 of the requirements.

Instructor. SI

Prerequisite. 2000

External Support. Material handling equipment.
FORKLIFT 10K

Reference.

- 1. Site diagram
- 2. Squadron Standard Operating Procedures (SOP)

OMGT-3244 12.0 (365) B,R (1)TACC (1)TDS L

Goal. Ensure proper erection of the TACC.

Requirement. Given a locally developed site diagram and a core competent crew of 6:

- 1. Ensure emplacement of unit shelters according to site diagram.
 - a. 3-In-1
 - b. MERWS
 - c. ISO shelter
- 4. Ensure shelters are leveled as required.
- 5. Ensure shelters are grounded with no more than 8 ohms resistance
- 6. Ensure shelters are cabled.
- 7. Ensure shelters are powered.
- 8. Ensure emplacement of TDS equipment according to site diagram.
- 9. Ensure TDS equipment are cabled.
- 10. Ensure TDS equipment are powered.

<u>Performance Standard</u>. With the aid of reference and IAW the site diagram, all shelters will be erected, cabled, and powered. All TDS equipment will be emplaced, cabled and powered. Mechanical failure of the equipment does not necessarily constitute failure of this event. Instructor will ensure that each trainee demonstrates an understanding of items 1-10 of the requirements.

Instructor. SI

Prerequisite. None

External Support. Material handling equipment. Forklift 10K.

Reference.

- 1. Site diagram
- 2. Squadron Standard Operating Procedures (SOP)

3.11 CORE PLUS SKILL PHASE (4000 Phase)

- 3.11.1 Purpose. To teach the trainee how to setup, install and manage the common connectivity device.
- 3.11.2 General
- 3.11.2.1 Prerequisite. NONE
- 3.11.2.2 Admin Notes. NONE
- 3.11.2.3 <u>Stages.</u> The following stages are included in the Core Plus Skill Phase of training.

PAR NO.	STAGE NAME
3.11.3	COMMON CONNECTIVITY DEVICE (CCD)

3.11.3 COMMON CONNECTIVITY DEVICE (CCD) STAGE

 $3.11.3.1 \underline{Purpose}$. To teach the trainee how to setup, install and manage the CCD.

3.11.3.2 <u>General</u>

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

CCD-4005 2.0 (*) B 1 CCD L

Goal. Identify the CCD.

Requirement. Given a CCD and references:

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

<u>Performance Standard</u>. Without the aid of reference, verbally identify the requirement items IAW the references.

Instructor. SI

Reference. Applicable technical manuals.

CCD-4010 4.0 (365) B,R 1 CCD L

Goal. Setup CCD equipment.

Requirement. Given a site diagram, references, materials, and required equipment:

- 1. Emplace components.
- 2. Cable components.
- 3. Energize components.
- 4. Conduct operational status check.

<u>Performance Standard</u>. With the aid of reference and using the site diagram, setup the CCD equipment by completing the requirement items IAW the references.

Instructor. SI

Prerequisite. 4005

Reference.

- 1. Applicable technical manuals.
- 2. Site diagram

CCD-4015 2.0 (365) B, R

1 CCD · . L

Goal. Install CCD software.

Requirement. Given a site diagram, references, materials, and required equipment:

- 1. Perform vendor software image recovery/software installation.
- 2. Configure network settings.
- 3. Configure time.
- 4. Log progress.
- 5. Log errors.

Performance Standard. With the aid of reference and using the site diagram, install the CCD software by completing the requirement items IAW the references.

Instructor. SI

Prerequisite. 4005, 4010

Reference.

- 1. Applicable technical manuals.
- 2. Site diagram

CCD-4020 2.0 (365)

B,R 1 CCD

Goal. Manage the Common Connectivity Device (CCD)

Requirement. Given a CCD, references, materials, and required equipment:

- 1. Establish Link-11B data link.
- 2. Establish JREAP-B data link.
- 3. Provide JREAP-C data link.
- 4. Perform system backups.
- 5. Check log files.
- 6. Check Network time
- 7. Trouble shoot error(s).
- 8. Initiate corrective actions if required.

Performance Standard. With the aid of reference, administer the CCD by completing all items on the checklist IAW the reference.

Instructor. SI

Prerequisite. 4005, 4010, 4015

Reference. Applicable technical manuals.

CCD-4025 4.0 (365) B, R 1 CDLS, 1 DST

Goal. Provide Link 11B via the CCD.

Requirement. Given a CDLS and DST, references, materials and required equipment, perform the following:

- 1. Configure equipment.
- 2. Establish Link 11B.
- Trouble Shoot error(s)
- 4. Initiate corrective actions as required.

<u>Performance Standard</u>. With the aid of reference, administer the CDLS by completing all items on the checklist IAW the reference.

Instructor. SI

Prerequisite. 4005, 4010, 4015, 4020

Reference. Applicable technical manuals.

CCD-4030 4.0 (365) B, R 1 CDLS, 1 DST

Τ.

Goal. Provide JREAP B/C via the CCD.

Requirement. Given a CDLS and DST, references, materials and required equipment, perform the following:

- 1. Configure equipment.
- 2. Establish JREAP B.
- 3. Establish JREAP C
- 4. Trouble Shoot error(s)
- 5. Initiate corrective actions as required.

<u>Performance Standard</u>. With the aid of reference, administer the CDLS by completing all items on the checklist IAW the reference.

Instructor. SI

Prerequisite. 4005, 4010, 4015, 4020

Reference. Applicable technical manuals.

3.12 INSTRUCTOR UNDER TRAINING PHASE (5000 Phase)

3.11.1 <u>Purpose.</u> 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.

3.12.2 General

3.12.2.1 Prerequisite. NONE

3.12.2.2 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://www.intranet.tecom.usmc.mil/sites/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.
WTI	Mission Skill, Core Plus, and Qualification events. WTI: - Evaluate/recommend for qualification / designation.

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

- 3.13 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)
- 3.13.1 <u>Purpose.</u> 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.
- 3.13.2 General
- 3.13.2.1 Prerequisite. Per the applicable syllabus.
- 3.13.2.2 Admin Notes.

- (1) This section enables units to document and track combat leaders, instructors, technicians and CD assignments. All syllabus training and administration requirements must be complete prior to being designated. A qualification or designation is not effective until all administration is completed.
- (2) The WTI shall review the IPR to ensure all required training, documentation and administrative actions have been completed prior to staffing qualification or designation recommendations for approval.
- (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.
- 3.13.2.3 $\underline{\text{Stages.}}$ The following stages are included in the RCQD Phase of training.

PAR NO.	STAGE NAME
3.13.3	QUALIFICATION (QUAL)
3.13.4	DESIGNATION (DESG)

3.13.3 QUALIFICATION (QUAL) STAGE

3.13.3.1 Purpose. To provide for technician qualifications.

3.13.3.2 General

Prerequisite. NONE

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-6475

Goal. Qualification as a C2SM.

Requirement. Complete required C2SM Remote training events. Be recommended for qualification by a MI or WTI (5902) and qualified in writing by the commanding officer.

<u>Prerequisite</u>. 2000, 2005, 2010, 2015, 2020, 2025, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2130, 2132, 2134, 2136, 2138, 2140, 2170, 2172, 2174, 2176, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3228, 3230, 3234

QUAL-6480

Goal. Qualification as WTF.

Requirement. Complete required WTF training events. Be recommended for qualification by a MI or WTI (5902) and qualified in writing by the commanding officer.

Prerequisite. 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3222

QUAL-6485

Goal. Qualification as a TBSA.

Requirement. Complete required TBSA training events. Be recommended for qualification by a MI or WTI (5902) and qualified in writing by the commanding officer.

<u>Prerequisite</u>. 2000, 2005, 2010, 2015, 2020, 2025, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3224

QUAL-6490

Goal. Qualification as a TDLA.

Requirement. Complete required TDLA training events. Be recommended for qualification by a MI or WTI (5902) and qualified in writing by the commanding officer.

<u>Prerequisite</u>. 2000, 2005, 2010, 2015, 2020, 2025, 2150, 2152, 2154, 2156, 2158, 2160, 2180, 2182, 2184, 2186, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 2714, 2728, 2744, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 3232, 3236

QUAL-6500

<u>Goal</u>. Qualification as a Tactical Data Systems Basic Administration Technician (TDSABT).

Requirement. Complete required Basic Technician training POI. Be recommended for qualification by an MI or WTI (5902) and qualified in writing by the commanding officer.

<u>Prerequisite</u>. 2000, 2500, 2520, 2535, 2722, 2756, 2806, 2836, 3208, 3210, 3212, 3242

QUAL-6505

<u>Goal</u>. Qualification as a Tactical Data Systems Administration Advanced Technician (TDSAAT).

Requirement. Complete required Advanced Technician training POI. Be recommended for qualification by a MI or WTI (5902) and qualified in writing by the commanding officer.

Prerequisite. 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2750, 2752, 2754, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242

3.13.3 DESIGNATION (DESG) STAGE

3.13.3.1 <u>Purpose.</u> 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 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.

3.13.3.2 General

Prerequisite. NONE

Admin Notes. NONE

Crew Requirements: NONE

DESG-6320

Goal. Designation as a Basic Instructor (BI).

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

Prerequisite. 5000, 5010, 5020

DESG-6321

Goal. Designation as Senior Instructor (SI).

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

<u>Prerequisite</u>. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320

DESG-6510

<u>Goal</u>. Designation as a Tactical Data Systems Administration Chief (TDSAC).

Requirement. Be recommended for designation by a MI or WTI (5902) and designated in writing by the commanding officer.

<u>Prerequisite</u>. 2030, 2035, 2040, 2045, 2850, 3208, 3238, 3240, 8000, 8020

DESG-6515

<u>Goal</u>. Designation as a Tactical Air Command and Control Maintenance Chief (TACCMC)

Requirement. Be recommended for designation by a MI or WTI (5902) and designated in writing by the commanding officer.

Prerequisite. 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2540, 2600, 2605, 2610, 2615, 2620, 2708, 2710, 2712, 2714, 2722, 2738, 2804, 2806, 2832, 2836, 2838, 2840, 2850, 3005, 3100, 3105, 3110, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3238, 3240, 3242, 3244, 8060, 8080, MCI 0410, MCI 0414, SCHL-6020, SCHL-6021

DESG-6550 2.0 (*)

Goal. Assignment as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days.

<u>Performance Standard.</u> The technician will prepare the maintenance safety CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2525, 2530

Reference. MCO P4790.2

DESG-6555 2.0 (*)

В

L

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance HAZMAT CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

<u>Instructor</u>. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2525, 2530

Reference. MCO P4790.2

DESG-6560 2.0 (*)

В

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance publications CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2520

Reference. MCO P4790.2

DESG-6565 2.0 (*) B

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance training CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500

Reference. MCO P4790.2

DESG-6570 2.0 (*) B

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance tools CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2515, 2545

Reference. MCO P4790.2

DESG-6575 2.0 (*) B L

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance calibrations CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2505, 2545, MCI 287

Reference. MCO P4790.2

DESG-6580 2.0 (*) B L

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance modifications CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2510, 2545

Reference. MCO P4790.2

DESG-6585 2.0 (*) B

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance embarkation CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2535, 2545

Reference. MCO P4790.2

DESG-6590 2.0 (*) B

L

Goal. Assignment as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO.IAW the reference for a period of no less than 90 days.

Performance Standard. The technician will prepare the MIMMS CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500, 2540, 2545, MCI 0410

Reference. MCO P4790.2

DESG-6595 2.0 (*) B

Goal. Assignment 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.

Performance Standard. The technician will prepare the maintenance QC CD area for inspection. The instructor shall conduct an inspection of this collateral duty and if it results in mission capable then the requirement has been met.

Instructor. SI that is either currently assigned to the CD or held the CD within the last 12 months.

Prerequisite. 2500

Reference. MCO P4790.2

3.14 AVIATION CAREER PROGRESSION MODEL (8000)

Purpose. To enhance the 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 in the Aviation Career Progression Model (ACPM) is on academics in the following areas:

Marine Air Command and Control System (MACCS) Aviation Combat Element (ACE) Threat to the MAGTF MAGTF Joint Air Operations

3.14.2 <u>General</u>. 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 prerequisites to selected training events or stages. Additionally, several ACPM academic events are integrated as prerequisite for certain combat 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://www.intranet.tecom.usmc.mil/sites/mawts1/mawts1%20webpages/Aviation%2
OCareer%20Progression%20Model.aspx?PageView=Shared

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	1933	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)	(\$100 to 400 to	4	2000
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)	15 All	4	2000
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000
ACPM	8007	UAS SUPPORT TO THE MAGTF		4	2000
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000
ACPM	8020	ACE		1	3000
ACPM	8021	AVIATION OPERATIONS	cans.ic	4	3000
АСРМ	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)	4.8	4	3000
ACPM	8024	ASSAULT SUPPORT	Y. Line	4	3000
ACPM	8025	AIR RECONNAISSANCE	84	4	3000
ACPM	8026	ELECTRONIC WARFARE		4	3 0 00
АСРМ	8027	ANTI-AIR WARFARE		4	3000
ACPM	8028	AVIATION GROUND SUPPORT		4	2000
ACPM	8040	THREAT		1	4000

STAGE	TRNG CODE	T&R DESCRIPTION	200 A	ACAD TIME	TO BE COMPLETED DURING
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	8045	RADIO ELECTRONIC COMBAT THREAT TO THE MAGTE		4	4000
ACPM	8060	MAGTF		1	3000
АСРМ	8061	GROUND COMBAT OPERATIONS	17-911-17	4	3000
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	3000
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000
ACPM	8064	MAGTF COMMUNICATIONS	5 1	4	3000
ACPM	8065	PHASING CONTROL ASHORE		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)	Julia,	4	3000
АСРМ	8083	JOINT FIRE SUPPORT	*****	4	3000
ACPM	8084	CLOSE AIR SUPPORT		4	3000
ACPM	8085	JOINT TARGETING	1111	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	39	141	

3.15 T&R ATTAIN AND MAINTAIN TABLES

				M	TACS MAINTENA	NCE MOS 59	74	1 44 65			:
		<u>.</u>	CO	RE/MISSION,	CORE PLUS ATTA	AIN AND MA	INTAIN MATRIX				
T&R	EVENT INFOR	RMATION		ВА	SIC POI	REFRI	ESHER POI	MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	FREREUS	CHAINING
		6 4.1.1			CORE SKILL (20	000 Phase)					
Describe unit specific shelters.		2000	*		2000					2200, 2225, 2240	•
Emplace shelter.	SHEL	2005	*		2005					2000, 2200, 2225, 2240	-
Establish grounds on unit specifc shelters.		2010	*	SHEL	2010	SHEL		SHEL		2000, 2200, 2225, 2240	-
Cable shelter for power.		2015	*		2015	- 44.				2000, 2010, 2200, 2225, 2240	-

			COF	RE/MISSION	CORE PLUS ATTA	IN AND MA	INTAIN MATRIX				
T&R	EVENT INFO	RMATION			SIC POI		ESHER POI	MAINTAI	PROFICIENCY	PDEDEOC	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
Emplace and power 3-in-1 shelter.		2020R	365		.2020R		i2020R		:2020R	2000, 2010, 2015, 2200, 2225, 2240	-
Emplace and power MERWS shelter.		2025R	365		2025R		.2025R		.2025R	2000, 2010, 2015, 2200, 2225, 2240	
Identify network equipment.		2030R	1460		2030R		.2030R		2030R	-	-
Setup Network Equipment.		2035R: *	365		2035R		2035R		.2035R	2030	-
Establish Local Area Network.	NET	2040R	365	NET	2040R	NET	2040R	NET	2040R	2030, 2035	•
Configure network security.		2045R	365		2045R		2045R		2045R	2030, 2035, 2040	-
Identify AFATDS		2050	*		2050					-	
Setup AFATDS Equipment.		2055	*		2055					2050	•
Instali AFATDS software.	AFATD	2060R	365	AFATD	2060R	AFATD	-2060R	AFATD	:2060R	2000, 2050, 2055, 2065, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2748, 2806, 2836, 2846, 3208, 3210, 3212, 3242	-
Configure AFATDS.		2065R	365		2065R		2065R		.2065R	2060, 2655.	-
Identify the IOS		2075	*		2075			<u> </u>		-	-
Setup IOS Equipment.		2080R	365		2080R		2080R		2080R	2075	-
Install IOS software.	IOS	2085R	365	IOS	.2085R	IOS	2085R	IOS	2085R	2075, 2080,	-
Configure IOS.		2090R	365		2090R		. 2090R ⋅	200 CO	2090R	2075, 2080,	_

	•		COF		TACS MAINTENAN CORE PLUS ATTA						
T&R	EVENT INFO	RMATION			SIC POI		ESHER POI	MAINTAII	N PROFICIENCY		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
	-									2085	
Identify TBMCS.		2100	*		2100						-
Emplace TBMCS equipment.		2102R	1095		2102R		2102R		2102R	2100	-
Conduct TBMCS PRE-BUILD PHASE.		2104R	365		2104R		2104R		2104R	2100	-
Conduct TBMCS BUILD PHASE 1.		2106R	365	-	2106R		2106R		2106R	2100	-
Conduct TBMCS BUILD PHASE 2.		2108R	365		2108R		2108R		2108R	2100	-
Conduct TBMCS BUILD PHASE 3.		2110R	365		2110R		.2110R		,2110R	2100	-
Conduct TBMCS BUILD PHASE 4.		2112R	365		2112R		2112R		2112R	2100	-
Conduct TBMCS BUILD PHASE 5.	TBMCS	.2114R	365	TBMCS	.2114R	TBMCS	2114R	TBMCS	;2114R	2100	-
Conduct TBMCS BUILD PHASE 6.		2116R	365		:2116R		2116R		2116R	2100	-
Conduct TBMCS BUILD PHASE 7.		, 2118R.≟	365		2118R				2118R	2100	-
Conduct TBMCS BUILD PHASE 8.		2120R	365		2120R		2120R		2120R	2100	<u> </u>
Conduct TBMCS POST-CONFIG PHASE.		2122R	365		2122R		2122R		.2122R	2100	- .
Conduct TBMCS PATCH INSTALL.		2124R	365		2124R		2124R		2124R	2100	-
Conduct TBMCS VERIFICATION.		2126R	365		2126R		.2126R		2126R	2100	-
Identify ADPE Server		2130	*		2130					-	_
Identify the IOW.]	2132R	365		2132R		2132R			-	-
Setup ADPE.		2134R	365		2134R		2134R		2134R	2130, 2132	
Install ADPE systems.	ADPE	2136	**	ADPE	2136	ADPE		ADPE		2130, 2132, 2134	-
Configure ADPE.		2138R	365		2138R		.2138R		2138R	2130, 2132, 2134, 2136	-
Configure C2PC]	2140R	365		2140R		2140R		2140R	-	-
Identify the CDLS.		2150	*		2150]		-	-
Identify AN/USC- 55A Commanders Tactical Terminal Hybrid 3.	CDLS	2152	ak :	CDLS	2152	CDLS		CDLS		-	-
Setup CDLS equipment.		2154R	365		2154R		2154R		¹ 5. (2154R	2170	-

	1 1 1 1 1			MT	ACS MAINTENAN	ICE MOS 59	74				
			COI		CORE PLUS ATTA						
	EVENT INFO		<u>-</u>		SIC POI		SHER POI	F1399 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Setup CTT Equipment.		:2156R	365		2156R		2156R		2156R	3152	-
Install CDLS Software.		2158R	365		2158R		-2158R		2158R	2150, 2154	-
Configure the CDLS.		. 2160R	365		2160R		2160R		.2160R	2150, 2154, 21 58	-
Identify the COC.		2170	*		2170				100.00	-	
Setup the COC.		2172R	365		2172R		2172R		2172R	2170	-
Install COC software.	coc .	2 174 R	365	coc	2174R	coc	2174R	coc	2174R	2170, 2172	-
Configure the COC operations trailer.		2176R	365		.2176R』		2176R		-217,6R	2170, 2172, 2174	. <u>-</u>
Identify the LMS- MT.		2180	*		2180					-	-
Setup the LMS- MT equipment.		2182R	365		2182R		*2182R		-2182R	2180	-
Install LMS-MT software.	LMSMT	2184R	365	LMSMT	2184R	LMSMT	2184R	LMSMT	:2184R	2180, 2182	-
Configure the LMS-MT.		2186R	365		2186R		2186R		.2186R	2180, 2182, 2184	-
Utilize Multi- meter.		2200	*	}	2200					MCI 287A	-
Utilize Ground Tester.	TMDE	2225	*	TMDE	2225	TMDE		TMDE		MCI 287A	-
Utilize Twisted Pair Tester		2240	*		2240					MCI 287A	-
Induct Equipment Into Maint Cycle		2400	*		2400					-	_
Conduct SI-3 Inventory		2405	*		2405					-	-
Indetify Purpose of PM		2475	*		2475					-	-
Conduct Preventative Maintenance Checks and Services (PMCS)	РМСМ	2480	*	РМСМ	2480	РМСМ		РМСМ		-	-
Initiate Corrective Maintenance (CM).		2485	*		2485					2480	-
Maintenance Collateral Duties		2500	*		2500					-	-
ldentify Calibration Program	CD	2505	*	СФ	2505	CD		CD		2500, MCI 287A	-
Maintenance Mod Program		2510	*		2510					2500	-
Maintenance Tool Control Program		2515	*		2515					2500	-

		1	Base of	М	TACS MAINTENAL	NCE MOS 59	74				
			CO		CORE PLUS ATTA						
	EVENT INFO				SIC POI		SHER POI		I PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION Maintenance Pub Library Program	STAGE	2520	REFLY *	STAGE	2520	STAGE	CODE	STAGE	CODE	2500	-
Maintenance Safety Prog		2525	*		2525					2500 2500	-
MSDS		2530	*		2530		<u> </u>			2500	_
Embarkation Elements		2535	*		2535					2500	-
MIMMS Forms		:2540R	365	·	2540R		2540R		2540R	2500, MCI 0410C	-
Equipment Record Jacket		2545	*		2545					2500	-
Describe handling and storage of classified materials.		2600R	365		2600R		#2600R		2600R	MCI 2525B	-
Familiar with physical security requirements		.2605R	365		-2605R	COMSEC	:2605R	COMSEC	2605R	MCI 2525B	
Conduct crew change over security procedures.	COMSEC	2610R	365	COMSEC	2610R		2610R		2610R	MCI 2525 B , 2000	•
Extract key material information from EKMS COMSEC callout.		2615R	365		.2615R		2615R		2615R	MCI 2525B, 2000	-
Utilize Simple Key Loader (SKL)		2620R	365		2620R		2620R		,2620R	MCI 2525B, 2000, 2010, 2015	-
State HF, VF, and UHF frequency spectrums.		2655	*	٠,	2655						-
Describe HF, VF, UHF radio characteristics.	FAM	.2660R	1460	FAM	2660R	FAM	2660R	FAM	. 2660R	-	-
Install Earth Ground		2665	*		2665					2225	-
Identify TFSMS Process		2700	*		2700					-	-
Equipment Disposition	MMGT	2702	*	ммст	2702	MMGT		MMGT		2000, 2405, 2500, 2520, 2535, 2722, 2806, 2836, 3208,	_

				MT	ACS MAINTENAN	ICE MOS 59	74			<u> </u>	
			COR	RE/MISSION/	CORE PLUS ATTA	IN AND MAI	NTAIN MATRIX				
T&R E	VENT INFO	RMATION		BA'	SIC POI	REFRE	SHER POI	MAINTAIN	PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	1	CHAIRM
					•					3 212 , 3242	
										3242	
<u> </u>										2000,	
					}					2475,	
					:					2500,	
							İ			2520,	
										2535,	
PMCS Schedule		2704	*		2704					2722,	
										2806, 2836,	
										3208,	
										3210,	
										3212,	
							raintripotentialista vivididi di di			3242	
										2405,	
Inventory Control Procedures		,2706R	1460		2706R		2706R		2706R	2500, 2515,	
Procedures										2545	
ID functions of		(Assertable and the control of the c					228000000000000000000000000000000000000		200		
Maint		2708	*		2708		j				
Management						•		ļ		2500	
-		1010-01809/4570-2							34 Far - 12 - 44	2000,	
			1				in Sign yerr			2405,	
										2500,	
									great Nation	2515,	
		littlest #4, 5, 311							762	2520, 2535,	
										2545,	
										2722,	
Reconcile MIMMS		2710R	265		1071 OB		2710R		12710R	2806,	
AIS Rpt		.27:10R	365		2710R		14/100			2836,	
		Processor St.			a Links					3208,	
							(C. 1)			3210, 3212,	
						٠,				3242,	
							male está est			MCI	
							k 39.05			0410,	
					3.54					MCI	
							again de sic a dhibhlig agailteachta			0414 2100,	
Identify Float										2100, 2 11 2,	
Process		2712R	1460		2712R		2712R		2712R	MCI	'
										0410	
Define Major		27440	1450				GO THE RESERVE		.2714R	-	_
funding lines		2714R	1460		.2714R		2714R		2714R		
										2400,	
1										2500,	1
New equipment		2716	*		2716					2540,	-
New equipment inducting process		2716	*		2716					2540, 2545, MCI	-

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CORE/MISSION/CORE P T&R EVENT INFORMATION BASIC POI											<u> </u>
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	MAINTAII STAGE	N PROFICIENCY CODE	PREREQS	CHAINING
Phase out equipment process	STAGE	2718	*	STAGE	2718	JAME		STAGE		2000, 2405, 2500, 2520, 2535, 2540, 2545, 2704, 2722, 2806, 2836, 3208, 3210, 3212, 3242, MCI	-
Conduct QA Inspection		2720R	1460		2720R		2720R		27,20R	0410 2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2075, 2080, 2085, 2090, 2100, 2132, 2134, 2136, 2150, 2152, 2154, 2158,	

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T&R EVENT INFORMATION					SIC POI		SHER POI		PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
										2708, 2722,	
										2804,	
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										2836, 2838,	
										2840,	
									100000000000000000000000000000000000000	3005,	
										3204,	
		314,144,25								3206, 3208,	
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										3212,	
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									attication of	3216,	
	l.									3222, 3224,	
							20040245			3226,	
										3228,	
										3230,	
										3232, 3234,	
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		11-54								3242	
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		120							indige Physical (I		
nspect Maint unctional Areas		27.22R	1460	• •	2722R		-2722R		2722R	2500, 2520	4 _ 4

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	NFORMATION			SIC POI		SHER POI		N PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION STAG	E CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		1
									2000, 2030,	
									2030,	
									2040,	
									2045,	
									2050,	
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									2075, 2080,	
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									2083,	
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									2132,	
									2134,	
									2136,	
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									2152,	
									2158,	
									2160,	
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									2172,	
									2174,	
					1				2176,	
									2180,	
Submit TOECR	2724	*		2724					2182, 2184,	
•									2184,	
									2405,	
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		}				•			2605,	
									2610, 2615,	
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									2838, 2840,	
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	EVENT INFO				SICPOI		ESHER POI		PROFICIENCY	PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	lin	
										3222, 3224, 3226,	
										3228, 3230,	
										3232, 3234, 3236,	
`										3242	
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	J.										
LINE D.	, i ,	2725	*		2726			<u> </u>	1	2000	
UNS Process Develop Budget		2726 2728R	1460		2726 2728R 11		2728R		272 8 R	2806 2714	-
Develop Budget		2/20N	1400		1 2/20X 1 2/2		Z.Z.		CONTRACTOR STATE OF	2000,	
										2405, 2500,	
					and the second second second second					2520, 2535,	
CMR Review		2730R	1460		2730R		27200		2730R	2540, 2545, 27 0 4,	_
CIAIL INCAICM			1400		\$5.1 T.		2730R			2716, 2722,	
										2806, 2836,	
							are supplement			3208, 3210, 3212,	
									1877	3242	

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T&R DESCRIPTION	EVENT INFO	CODE	REFLY	STAGE	SIC POI CODE	REFRI STAGE	ESHER POI	MAINTAIN STAGE	PROFICIENCY CODE	PREREQS	CHAINING
Maintain Publication Library	31401	2732	*	JIAGE	2732	JIA C	0002			2500, 2520	-
Maintain Safety Procedures		2734	*		2734					2500, 2525	-
Maintain Calabration Procedures		2736	*		2736					2500, 2505, MCI 287	
Maintain MIMMS Procedures		2738	*		2738					2500, 2540, MCI 0410	-
CCI Procedures Implemented		2740	*		2740			,		2600, 2605, 2610, 2615, 2620	-
Ensure PMCS on TACC		2742	•		2742					2000, 2475, 2480, 2500, 2520, 2535, 2540, 2545, 2704, 2716, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-
Maintain Equipment Records		2744	*		2744					2500, 2545	-
Command Level Brief		2746R	365		27 4 6R	•	2746R		2746R	-	-
Inventory Control Procedures		2748R	1460		.2748R		.2748R		2748R	2000, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2722, 2806, 2836, 3208, 3210, 3212, 3242	
UURI AUTH LETTER		2750	*		2750				-	-	-
WIR PROCEDURES	-	2752	*	1	2752			†		-	-

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			COF		CORE PLUS ATTA					ari Nari I. Baransa	· · · · · · · · · · · · · · · · · · ·
	EVENT INFO		l periv		SIC POI		ESHER POI		PROFICIENCY CODE	PREREQS	CHAINING
MAINT CYCLE EXT	STAGE	2754	REFLY *	STAGE	2754	STAGE	CODE	STAGE	CODE 15.4		-
PQDR		2756	*		2756					-	_
PROCEDURES Key Planning		2802			2802				-	-	-
Documents Elements of an Op		2804	*		2804					<u> </u>	-
Order Mission Equipment		2806 R	365		2806R		2806R		2806R	_	_
Requirements		2 25 00 1	303		2000						
Conduct a site survey		,2830R	1460		2830R		2830R		2830R	-	-
Crew Requirrements		2832R	365		2832R		.2832R		2832R	-	-
Supply Support Requirement		2834	*		2834				1	2806	
Develop Embarkation Plan		2836	*		2836		i i i i i i i i i i i i i i i i i i i		Jaiomesia en en escentia	2806	-
EDL		2838R	1460		2838R		.2838R		2838R	2806	-
IOW Embarkation		2840R	1460		2840R	·	2840R		2840R	2132, 2806	-
Power Requirements		2842R	365		2842R		2842R		2842R	2806	-
Submit Frequency Request		2844	*		2844					2655	-
Logistics Support Request (LSR)	омст	2846	*	OMGT	2846	OMGT		OMGT		2806	-
Bill of Material (BOM)		2848R	1460		2848R		2848R		2848R	2806	-
Administering the network		2850R	365		.2850R		2850R	1.	2850R	-	•
Verify TDS Operational		2852R 📆	365		2852R	*	2852R		2852R	-	-
Perform Security Administration		2854R	3 65		2854R	.	**************************************		2854R	-	-
Provide Link 11 HF via the CDLS		2856R	365		2856R		2856R		2856R	2150, 2154, 2158,	-
Provide Link 11B		2858R	365		2858R		2858R			2160 2150, 2154,	_
via the CDLS		Title 1 se								2158, 2160 2150,	
Provide Link 16 via the CDLS		2860R	365		2860R		2860R		2860R	2154, 2158, 2160	_
Provide JREAP B/C via the CDLS		2862R	365		2862R		2862R		2862R	2150, 2154, 2158,	_

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T&R	EVENT INFO	RMATION			SIC POI		ESHER POI	MAINTAIN	PROFICIENCY	DDEDEGG	CILABUNG
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
Provide intelligence links		2864R	365		2864R		. 2864R		2864R	2152, 2156	-
Provide Link 11B via the LMSMT		.2866R	365		2866R		2866R		2866R	2180, 2182, 2184, 2186	-
Provide Link 16 via the LMSMT		2868R	365		2868R		.2868R		2868R	2180, 2182, 2184, 2186	-
Provide Link JREAP B/C via the LMSMT		;2870R	365		2870R		72870R		2870R	2180, 2182, 2184, 2186	-
Provide Link 11 UHF via the CDLS.		2872R	365		2872R		⊋2872R		2872R	2150, 2154, 2158, 2160	-
Provide JREAP A via the CDLS.		2874R	365		2874R		2874R		:2874R	2150, 2154, 2158, 2160	-
Provide JREAP A via the LMS-MT.		2876R	365		:2876R		2876R		2876R	2180, 2182, 2184, 2186	-
Identify MACS		2900	*		2900					8004, 8005	-
Identify MATC Air Stations		2905	*		2905					8005	-
Identify MASS]	2910	*		2910					8003	
Identify MTACS		2915	*		2915]		8002	-
Identify LAAD		2920	*		2920					8006	-
Identify VMU		2925	*		2925)		8007	-
Identify MWCS	ORGS	2930	*	ORGS	2930	ORGS		ORGS		8008	-
Identify MW\$\$		2935	*		2935					8028	-
Identify MLG support sections	,, ,	2940	*		2940			••		-	-
HHQ Mission and Support Agencies		2945	*		2945					8001, 8063	-
MACCS OV (ADD)		:2950R	1460		.2950R		2950R		2950R	8000, 8028, 8063	-

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T&R.I	EVENT INFO	RMATION		BA	SIC POI	REFR	ESHER POI	MAINTAIN	PROFICIENCY	PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	FREREUS	CHAINING
Prepare System Embark	TACCOPS	DEPL-3005R	730	TACCOPS	DEPL-3005R	TACCOPS	OEPL-3005R	TACCOPS	DEPL-3005R	2132, 2405, 2500, 2535, 2806, 2838, 2840	-

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T&R	EVENT INFO			ВА	SIC POI		SHER POI		PROFICIENCY	PREREOS	
T&R DESCRIPTION	.STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	2132,	CHAINING
Deploy a Maint Section ISO TACC		:DERL-3010R	730		DEPL=3010R		DEPL-3010R		DEPL-3010R	2405, 2500, 2535, 2806, 2838, 2840, 3005	-
Verify Maintenance Process		MMGT-3100	*		ммдт-3100					2500, 2540, 2710, 2748	-
Validate float process.	•	IMMGT- 3105R	1095		MMGT- 3105R		MMGT- 3105R		MMGT- 3105R	2500, 2540, 2712	-
Funding Requirements		MMGT-3110	*		MMGT-3110					2714	-
COMSEC Handling		OMGT- 3204R	730		OMGT- 3204R		'OMGT- '3204R		OMGT-11 3204R	2600, 2605, 2610, 2615, 2620	•
Identify Operational requirements.		«OMGT» « 3206R	365		OMGT- :: 3206R		OMGT- 3206R		OMGT- 3206R	2804, 2806, 2832	-
Perform CBRN		* */OMGT- :3208R	365		OMGT- 3208R		0MGT 1 3208R		9 OMGT- 3208R	_	
Understand Basic Maint Section Ops		:OMGT- 3210R	1460		-0MGT-; == -3210R				OMGT- 3210R	2500, 2520, 2722	-
Understanding Basic Maint Section Deploy Considerations		OMGT- 3212R	1460	•	0MGT- 3212R		OMGT- 3212R		OMGT- 3212R	2500, 2520, 2535, 2722, 2806, 2836, 3210	
Understand Advanced Maint Section Ops		OMGT- 3214R	1460		OMG)- 3214R		OMGT- :32:14R		OMGT 32.14R	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242	
Understanding Advanced Maint Section Deploy Considerations		OMGT- 3216R	1460		GMGT- 3215R		OMGT- 3216R		10MGT- 3216R	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3214, 3242	-

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T&R DESCRIPTION			DECIN		SIC POI		ESHER POL	STAGE	CODE	PREREQS	CHAINING
	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	2000,	CHAINING
										2030,	
									1. 34 35 (Hallon H.) 1. 35 (Hallon Hallon	2035,	
										2040, 2045,	
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										2055,	
										2060, 2065,]
										2075,	
										2080,	
			1							2085, 2090,	
		P-1-1-1			100					2100,	
							1,121,351			2102,	
							Nue H		dia coje	2130, 2132,	
										2132,	
										2136,	
					1 7 7 7 9 9 1					2150,	
										2152, 2154,	
										2158,	
										2160,	
										217 0 , 2172,	
										2172,	
		MC Little								2176,	
-					7 S.				ma and set a	2180,	
Understand Maint		OMGT-	1460		OMGT		. OMGT-		OMGT-	2182, 2184,	_
Sect Management		32 18 R	2400		3218R		321 8 R		3218R	2186,	
		i de la companya de l					aun de de			2405,	
										2500, 2515,	
					100 100 100					2520,	
					t in the set		i ji v			2532,	
										2535, 2600,	
										2605,	
· ,		A Barrers								2610,	
		garaga da en l			rom seleta				Bull to the	2615, 2620,	
					der 1					2620, 2 7 08,	
		fil Gal					linguation a			2722,	
										2804,	
										2806, 28 3 2,	
		46-200-000								2836,	
										2838,	
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										3204,	
					4 7 70 2		2.74			3206,	
		uliyar ya Bar								3208,	
		Signatus Martin Barty								3210, 3212,	
										3214,	
										3216,	
										3222, 3224,	

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	VENT INFO			 SIC POI		ESHER POI		PROFICIENCY	PREREQS	
T&R E	STAGE	RMATION CODE	REFLY	 ***	T	ESHER POI CODE	STAGE	N PROFICIENCY CODE	PREREQS 3226, 3228, 3230, 3232, 3234, 3236, 3242	CHAINING
Manage network.		OMGT- 3222R	365	OMGT- 3222R		OMGT- 3222R1		OMGT- 3222R	2030, 2035, 2040, 2045	-
Manage TBMCS	İ	OMGT-	365	OMGT-#		ØMGT 3 224 R		OMGT-	2100,	-
Manage ADPE.		3224R OMGT- 3226R	365	3224R OMGT 3226R		3224R OMGT- 3226R		3224R OMGT: 3226R	2102 2130, 2132, 2134, 2136, 2138	
Manage AFATDS		3228R	365	OMGT- 3228R		OMGT ² 3228R.		@MGT- 3228R	2050, 2055, 2060, 2065	-
Manage the IOS.		OMGT- 3230R	365	OMGT- 3230R		OMGT- 3230R		:0MGT- 3230R	2075, 2080, 2085, 2090	-
Manage the CDLS.		OMGT- 3232R	365	OMGT-11		OMGT- 3232R		OMGT- 3232R	2150, 2154, 2158,	-

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	EVENT INFO	T	<u></u>		SIC POI		ESHER POI		PROFICIENCY	PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	21.00	CHAINING
										2160	
									# # # # # # # # # # # # # # # # # # #	2170,	
		OMGT-			OMGT-		OMGT-		OMGT-	2172,	
Manage the COC.		3234R	365		3234R		3234R		3234R	2174,	-
										2176	
					ONACT		ONCT		OMCT	2180,	
Manage the LMS- MT.		OMGT- 3236R	365		OMGT- 3236R		OMGT- 3236R		OMGT- 3236R	2182, 2184,	-
WII.		32 34N			32301					2186	
		Program &							des de la	2030,	
Design network		OMGT~			OMGT-		OMGT-		*OMGT-	2035,	_
architecture		323 8 R	255		3238R		3238R		3238R	2040,	
Danier - Bal		awa-	365		ONICE		OMGT-		OMGT-	2045	
Design a link architecture.		GOMGT- 3240R	365		OMGT- 3240R		3240R		3240R	2850	-
Erect AN/TYQ-		OMGT-			OMGT-		OMGT-		OMGT-	2030	
1(V)		3242R	365		3242R		3242R		3242R	2000	•
Ensure proper		OMGT-	5.55		OMGT-		OMGT-		OMGT-		
erection of TACC		3244R	365		3244R		3244R		3244R	-	
		1.025(44) 50.00							5,6.	2132,	
									Section, Co.	2405,	
Prepare System			700				EDENI GOOFD		The state of the s	2500,	
Embark		DEPL-3005R	730		DEPL-3005R		DEPL-3005R		DEPL-3005R	2535, 2806,	-
V.		TO STATE OF THE ST								2838,	
										2840	
		HENTE S			- 1					2132,	
										2405,	
Danlau a Maine										2500, 2535,	
Deploy a Maint Section ISO TACC		DEPL-3010R	730		DEPL-3010R		DEPL-3010R *		DEPL-3010R	2806,	-
beetton iso race					Section 19					2838,	
										2840,	
					107.10.154.1				Fig. 12	3005	<u> </u>
Verify										2500,	
Maintenance		MMGT-3100	*		MMGT-3100					2540, 2710,	-
Process			<u> </u>							2748	
Matidaka Basa	TACCINE	MMGT-		TACCINF	"MMGT-"	TACCINF	√MMGT-	TACCINE	MMGT-	2500,	
Validate float process.		3105R	,		3105R		3105R		3105R	2540,	-
process.		11,2,00,1	1095							2712	
Funding		MMGT-3110	*		MMGT-3110						-
Requirements		era ta art walles are a subsect by			basin over virta. 27th Library		20.00.000000000000000000000000000000000			2714	-
					The state of the s					2600, 2605,	
COMSEC Handling		OMGT-	730		OMGT-		OMGT-		- LOMGT-	2610,	_
COMISEC Handling		3204R	/50		3204R		3204R		3204R	2615,	
					THE COLUMN					2620	
Id entify		OMCT			OMGT-		.0MGT-		COMGT-	2804,	
Operational		OMGT- 3206R			3206R		3206R		3206R	2806,	-
requirements.			365							2832	
Perform CBRN		OMGT-	365		OMGT-		OMGT-		OMGT-	-	-
		.3208R			3208R		3208R		/3208R	2500,	
Understand Basic		OMGT-	1460		OMGT-		OMGT-		OMGT-	2500, 2520,	_
Maint Section Ops	l	3210R		l .	3210R		3210R	1	3210R	2722	1

			1 - 1		MISSION SKILL (3000 Phase)_	alay sa aran ga marana				
T&R I	EVENT INFOR	MATION		BAS	IC POI	REFRE	SHER POI	MAINTAIN	PROFICIENCY	PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	FRERECO	CHAINING
Understanding Basic Maint Section Deploy Considerations		OMGT- 3212R	1460		OMGT- 3212R		OMGT .3212R		OMGT- 3212R	2500, 2520, 2535, 2722, 2806, 2836, 3210	-
Understand Advanced Maint Section Ops		OMGT- 3214R	1460		OMGT- 3214R		::OMGT- 3214R 19		OMGT- 3214R	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-
Understanding Advanced Maint Section Deploy Considerations		OMGT- 3216R	1460		OMGT- 3216R		ØMGT- 3215R		OMGT- 3216R	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3214, 3242	-

-				1	MISSION SKILL (3	000 Phase)					
	VENT INFO	1			SIC POI		ESHER POI		PROFICIENCY	PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		CHAINING
										2000, 2030,	
										2035,	
										2040,	ļ
										2045, 2050,	
										2055,	
										2060,	
										2065,	
							1575			2075, 2080,	
		Photo:								2085,	
										2090,	
										2100,	
										2102, 2130,	
										2132,	}
										2134,	
										2136,	
										2150, 2152,	
										2154,	
										2158,	
1									100	21 6 0, 2170,	
										2170,	
										2174,	
			j							2176,	
		gust								2180, 2182,	
Understand Maint		OMGT-	1460		OMGT-		OMGT-		gOMGT-	2184,	
Sect Management		'3218R	50		3218R		3218R		3218R	2186,	
					4.5					2405,	
									714	2500, 2515,	
		President in the					Hippinist fil			2520,	
										2532,	
										2535,	
										260 0 , 2605,	
. :							***			2610.	
		ath in 4		-			herita da estada		anganggaran	2615,	
										2620, 2708,	
										2722,	
		April 1							erricks in	2804,	
		2007								2806,	
									e dan but	2832, 2836,	
							a, giku i i ili			2838,	
		Market St.								2840,	
						•				3005,	
										3204, 32 0 6,	
					Transfer of					3206,	
		grander in the state of the sta								3210,	
		30.537.9								3212,	
		ge san sa								3214, 3216,	
										3222,	
										3224,	

					MISSION SKILL (1			1
T&R DESCRIPTION	EVENT INFO STAGE	RMATION CODE	REFLY	STAGE	SIC POI	REFR STAGE	ESHER POI	STAGE	N PROFICIENCY CODE	PREREQS	CHAINING
TOTO DENI NOT					# 1					3226, 3228, 3230, 3232, 3234, 3236, 3242	
				.:.							
Manage network.		OMGT- 3222R			OMGT- 3722R		OMGT- B222R		OMGT- B222R	2030, 2035, 2040,	-
Manage TBMCS		OMGT-	365 365		*OMGT= 55		OMGT-		OMGT	2045	-
Manage ADPE.		3224R OMGT- 3226R	365		3224R OMGT- 3226R		3224R (OMGT- 3226R		3224R OMGT- 3226R	2102 2130, 2132, 2134, 2136, 2138	-
Manage AFATDS		OMGT- B228R	365		OMGT- 73 3228R		ØMGT- :3228R		OMGT- 3228R	2050, 2055, 2060, 2065	-
Manage the IOS.		OMGTA 3230R	365		OMGT- 3230R		OMGT- 3230R		OMGT- .3230R	2075, 2080, 2085, 2090	
Manage the CDLS.		OMGT- 3232R - \$1	365		OMGT- 3232R		OMGT- 3232R		OMGT- 3232R	2150, 2154, 2158,	-

				er er er	MISSION SKILL (3000 Phase)	13	1 114			
T&R I	VENT INFO	RMATION		B/	ASIC POI	REFRI	ESHER POI	MAINTAIN	PROFICIENCY	DDEDEOC	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	PREREQS	CHAINING
										2160	
Manage the COC.		OMGT- 3234R	365		OMGT- 3234R	-	OMGT- 3234R		0MGT- 3234R	2170, 2172, 2174, 2176	-
Manage the LMS- MT.		OMGT- 3236R	365		OMGT- 3236R		OMGT- 3236R		OMGT- 3236 R	2180, 2182, 2184, 2186	-
Design network architecture		OMGT-	365		OMGT- - 3238R		OMGT- 3238R		OMGT- 3238R	2030, 2035, 2040, 2045	-
Design a link architecture.		OMGT- 3240R	365		OMGT- : 3240R		(OMGT- 3240R		OMGT- 3240R	2850	-
Erect AN/TYQ- 1(V)		:OMGT- 13242R	365		OMGT- 3242R		OMGT- 3242R		OMGT- 3242R	2000	-
Ensure proper erection of TACC		OMGT- 3244R	3 65		OMGT- 3244R		OMGT- 3244R		OMGT- 3244R	-	-

					CORE PLUS SKILL (4000 Phase)				
T&R E	VENT INFO	RMATION		B/	ASIC POI	REFR	ESHER POI	MAINTAI	N PROFICIENCY	PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE	FRERECES	CHAINING
Identify the CCD		4005	*		4005					-	2005, 2010, 2020
Setup the CCD Equipment		-4010R	365		4 4010R		4010R	-	/4010R	4005	2005, 2010, 2020
Install CCD Software.		4015R	365		4015R		4015R		74015 R	4005, 4010	-
Manage CCD.	CCD	4020R	365	CCD	4020R	CCD	. 4020 R	CCD	4020R	4005, 4010, 4015	2005, 2010, 2020, 4010
Provide Link 11B via the CCD.		*4025R	365			` :	4025R		#4025R	4005, 4010, 4015, 4020	-
Provide JREAP B/C via the CCD.		4030R	365		4030R	·	4030R		4030R	4005, 4010, 4015, 4020	-

3.16 <u>T&R SYLLABUS MATRIX</u>

					. MŤ	ACS I	MAINTENAI	NCE MOS	5974 T&F	ŠYLL	ABUS MA	ATRIX		ai d					in duant
STAGE	59	EVENT	POI	1		DEV	ICE	COND		GRO ACA EV	DUND/ DEMIC 'ENTS	ĚV	SIM ENTS		VENTS	PRÉREQ	NOTES	CHAIN	ÉVENT CONV
	CODE	MTOTLES OF THE PROPERTY OF THE			TYPE	#				Ħ	TIME		TIME		TIME	y i in al Calourus i de management de la compa	12 90 15 500	a distribution particular	458 228 F2 /
in the Mar			-	_	- Annah Ma Miladon and Article	SVI	LINTRODU	COC+20-10-10-10-10-10-10-10-10-10-10-10-10-10	AINING	(New York Contract	******	/ENIS	2222		N. 16.		a Salay and Park		1
TD\$A	1000	MAW Function	В	E	G	⊢	<u>-</u>	D D	*	100	2.00	night ar	0	10220020000000000000000000000000000000	0	-	· · · · · ·	-	
TDSA	1002	MACCS Function	B	E	G	<u> </u>	<u>-</u>	D	*		2.00	112201	0		0	-	-	-	-
TDSA	100 4 1006	TDSA Duty at MACCS Agencies		E	G	⊢	-	D	*	44.4	22.00	285	0	78.6	0	-	<u> </u>	-	-
TDSA		Describe DII-COE Windows Systems	В	E		<u> -</u> -		D	*			\$5000 B	0	248/258 \$255 \$3660 L	0	-			-
TDSA	1008	Manage DII-COE Windows Systems	B	E	G G	<u> </u>	-	D	*		28.00 25.00	10012	0	ing the	0	-	-	-	-
TDSA	1010	Describe DII-COE UNIX		E		-	-	D			44.00	344.0	<u>.</u>	200	0	-	-	-	- -
TDSA	1012	Manage DII-COE UNIX Systems	B	E	G	-	-	_	*			12 March	0			•	-		•
TDSA	1014	Describe TDS Networks	В		G	<u> </u>		D	*		22.00	343980	0	in Alba	0	-	-	-	-
TD\$A	1016	Config TDS Networks	В	E	G	<u> </u>		D		JALLE:	9.00	100010		46614	0	-	-	· -	-
TDSA	1018	Describe Network Operating Systems	В	E	G	-	-	D	*		13.00	17 M	0	Transfer of the second	0		-		-
TDSA	1020	Manage Network Operating Systems	В	E	G	-		D	*		24.00	10.000 00 00 00 00 00 00 00 00 00 00 00 0	0		0	-	-	-	-
TDSA	1022	Describe Network Security	В	E	G	1 -	-	D	*		7.00	1400000	0	Minda	0	-	-	-	-
TDSA	1024	Config Network Security	В	E	G	<u> </u>		D		44	9.00	231010	0	gil juliana	0	-		-	-
TDSA	1026	Describe CDLS Processors	В	E	G	-	-	D	*	aliant.	20.00	4472	0	N. 44	0	-		-	-
TDSA	1028	Describe Link-11	В	E	G	<u> </u>	-	D	*	300	6.00		0	1966	0	-	<u> </u>	•	-
TDSA	1030	Establish Link-11	В	E	G	-	·	D	*	ÇU.	6.00	1000	0	1960	0	-	-	-	<u> </u>
TDSA	1032	Describe Link-11B	В	E	G	<u> </u>	-	D	*	arii et	5.00	i i i ku	0	Singapore	0	-	-	-	-
TDSA	1034	Establish Link-11B	B	E	G	-	-	D	*	Circus.	6.00	127.46	0	reversion.	0	-	-	. •	<u>-</u> -
TDSA	1036	Describe Link-16	В	E	G		-	´D	*	nadrži.	3.00	44,44	0	\$ 14.5 ct 21	0	-	<u> </u>	-	-
TD\$A	1038	Establish Link-16	В	E	G	_	•	D	*	autoaci	3.00	177	0	NEWS COLUMN	0		-	-	
TDSA	1040	Describe JREAP	В	E	G	-	-	D	*		1.00	110	0	decemen.	0	-		-	
TDSA	1042	Establish JREAP	В	E	G	-	-	D	*	CTOX7	2.00	1000	0	3.84	0	-		-	-
TD\$A	1044	Describe Intel Links	В	E	G	-	<u> </u>	D	*		3.00		0	1716	0	•	ļ <u>-</u>	-	
TDSA	1046	Establish Intel Links	В	Е	G	-	-	D	*		3.00	rafigial andie	0	ψ.N.	0	-	-	-	-
TDSA	1048	Describe LMS-MT	В	E	G	<u> </u>	_	D	*		3.00	PF cale	0	11,50%	0	-		-	- '
TDSA	1050	Config LMS-MT	В	E	G	-	-	D	*	MACIE	4.00		0	1525.	0	-	-	-	
TDSA	1052	Describe IOS	В	Ε	G	-		D	*	, spin	3.00	Allenia Allenia	Ó	21.00	0	-		-	•
TDSA	1054	Config IOS	В	E	G		-	D	*	<u> </u>	5.00		0		0	•	-		'
TDSA	1056	Describe AFATDS	В	E	Ğ	-	-	D	*	title au	2.00	1803	0	REPER ST	0	-	-	-	
TDSA	1058	Config AFATDS	В	E	G	-	-	D	*		3.00	1000000	0	37.05.00	0	-	<u> </u>		
TDSA	1060	Describe TBMCS	В	E	G	_	• .	D	*	ulli	4.00	200	0	11888	0	-		-	-
TD\$A	1062	Config TBMCS Remotes	В	E	G	-	-	D	*	igV n	4.00	7,877	0	S. CAURS	0	-		-	-
TDSA	1064	Describe COC OPS Trailer	В	E	G	<u>L-</u>	-	D	*		4.00		0	the property of the control of the c	0	-			
TDSA	1066	Install COC OPS trailer	В	E	G		-	D	*	4	6.00	and a	Q	2.47	0	-	- '	-	-
TDSA	1068	Config COC OPS Trailer	В	E	G	T -	-	D	*	15.52	2.00		0	girtin'i	0	-	_	-	
		TOTAL CORESKILL INTRODUCTION	1000 PH	ÂSE	EVENTS)			i i i	3 5	307.0	0	0	0	0		and the second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Control of Control

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	Skill Substitute			y'." L'.	MΤ	ACS N	MÁINTENAI	ICE MOS	5974 T&i	, ŠYLL	ĄBUS M	ATRIX		li Letiet i	42 1 1	ulanene en en en en en en en en en en en en			
STAGE		EVENT	POI	E.		Jay C	čE i	COND	REFLY	ACA # EV	OUND/ DEMIC ENTS	ΕV	SIM ENTS		VENTS	PREREQ	NOTES	CHAIN	EVENT CONV
and the second	CODE		i i i i i i i i i i i i i i i i i i i	1000			OPTION		MA HERE	A Proposition of the State of	TIME	#	TIME	H.	TIME			5 (111) See 5 (1	and production
	21 37 37	A CONTRACTOR OF THE CONTRACTOR	4 1 - 4 2 - 3	<u>.</u>) 4 90 0		ORE SKILL T					3 (7)		er Servero			ngang pang Nganggan	erandan (j. 1813) Santa (j. 1814)	
SHEL	2000	Describe unit specific shelters.	В	-	L	-	-	-	*	di cons	0		0		10.0	2200, 2225, 2240	# THE PERSON AND THE	-	-
SHEL	2005	Emplace shelter.	В	-	L	-	-	•	*		0		0		2.0	2000, 2200, 2225, 2240	-	-	-
SHEL	2010	Establish grounds on unit specifc shelters.	В	-	l,		-		*		0	1724	0		4.0	2000, 2200, 2225, 2240	-	-	-
SHEL	2015	Cable shelter for power.	В		L	-	-	-	*		0		0		2.0	2000, 2010, 2200, 2225, 2240	-	•	
SHEL	2020	Emplace and power 3-in-1 shelter.	B,R	-	. r	-	-	-	365		0		0		4.0	2000, 2010, 2015, 2200, 2225, 2240	-	-	-
SHEL	2025	Emplace and power MERWS shelter.	B,R	-	L	-	-	-	365		0	- (VIII) - (VIII) - (VIII)	0		8.0	2000, 2010, 2015, 2200, 2225, 2240	-	-	-
areate.	Budletin	TOTALSHELTERS STAGE								0	0	0	0	6	30	stations sum statements	urional como	tar in Se	K ARALANAN
	1	CALMINERCIAL CONTRACTOR							RK (NET)		1		1800 C 1810 C						1 T
NET	2030	Identify network equipment.	B,R	-	L	-	-	D	1460		0	200.23	0	ecirecists	2.0	-	-	*	ļ <u>-</u>
NET	2035	Setup Network Equipment.	B,R	-	<u> </u>	-	-	D	365		0	ining	0	HUNGON	8.0	2030		-	-
NET	2040	Establish Local Area Network.	B,R	_	<u> </u>	-	-	D	365	2257	0	ON THE STATE OF	0		8.0	2030, 2035		-	-
NET	2045	Configure network security.	B,R	-	L	-	-	D _	365	連出	0	149.75	0	illerghein beiteilner	19.0	2030, 2035, 2040	-	- Nacional Parameter	
3.137	39784	TOTAL NETWORK SKILLS ST				84.0	a altitud	111111		0	0	0	0	4	37	Aldrea Service Constant		110000	
	5 - 1 - 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		A COR		A	DVA	NGED FJELD	ARTILLER	(VA.17)	AL DA	T	TD)	***************************************				in the second	124	
AFATD	2050	Identify AFATDS	В	_	L	-		-	*	- Educati	0	200	0		2.0	-	-	-	<u> </u>
AFATD	2055	Setup AFATDS Equipment.	В	<u> </u> -	L	_	-	-	*	Jane 1	0		0	Marchieles	2.0	2050	-	-	<u> </u>
AFATD	2060	Install AFATDS software.	B,R	-	L	_	-	-	- 365		0		a		2.0	2000, 2050, 2055, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2722, 2746, 2748, 2806, 2836, 2846, 3208, 3210, 3212, 3242	-	-	-
AFATD	2065	Configure AFATDS.	B,R	-	٠	_	-	-	365		0	1 56 175 2011	0	### (A)	2.0	2050, 2055, 2060, 2655, 2844		-	-
1000		TOTALADVANGED FIELD ARTILLERY TAGTICAL	DATA	ŠĶĪLL	SSTAGE	(AF/	(TD)			0	0	0	0	4	8				12.54.3

IOS 20	DDE 075 080	TITLE:	POI	E	etgek (6 2004) 2004	DEVI	CE .	100	ELECTIVE	GRE	DUND/		iM.		911 X				Fig. 320044.5
IOS 20	075	a de la competitación de la competitación de la competitación de la competitación de la competitación de la co		114			COTION	COND	REFLY	- EV	DEMIC ENTS TIME	ΕV	ENTS TIME	LIVE E	VENTS :	PREREQ	NOTES	CHAIN	EVEÑT CONV
		Identify the IOS	100	1000	TYPE	H.	OPTION NTELLIGEN	er obco	TIONER	#,	22,222,6346,4246,624	#. 		H.	TIME			Part of the second seco	
		identity the iOS	В			(163+) 	MICELIACIA	CEOREM	*	TUTINE.	(109), 0	120	0			I	- 12 AV	74.6 F 30.00	
	080	Catan IOC Carrierant	——		<u> </u>	-		-	365	5.5			0		2.0	2075			-
IOS 20		Setup IOS Equipment.	B,R		<u>L</u>	-	-		305				- 0		2.0	2075	-	-	- -
IOS 20	085	Install IOS software.	B,	-	L	-	-	-	365	Tisens	0		0		2.0	2075, 2080,	-	-	
IOS 20	090	Configure IOS.	B,	-	L	-		-	365	ita di sa	0 .		. 0		3.0	2075, 2080, 2085	-	-	-
		TOTAL INTELLIGENCE OPERATIONS SERV	ERSKI	LLSS	TAGE (IC)S)		1		0	0	0	0	4	9		Application (1)		St. High cardinal
	A4, 7						R BATTLE M			RESYST	ЕМ (ТВІ	vics).			essan de e				an colombia.
TBMCS 21	100	Identify TBMCS.	В	. -	Ĺ	-	-	*	*	Majabar.	0		0	elea.	2.0	-	-	_	_
TBMCS 21	102	Emplace TBMCS equipment.	B,R	2	L	-	-	-	1095		0		0	Haras II.	4.0	2100	-	-	-
TBMCS 21	104	Conduct TBMCS PRE-BUILD PHASE.	B,R	:	L	-	-		365	200	0	2343E	0		3.0	2100	-	-	-
TBMCS 21	106	Conduct TBMCS BUILD PHASE 1.	B,R	-	L.	- 1	-	-	365		0		Q	Pan Allas	4.0	2100	-	-	-
TBMCS 21	108	Conduct TBMCS BUILD PHASE 2.	B,R	1-1	L	-		-	365		0 .	i ki di	0	Zinati -	4.0	2100	-	-	-
TBMCS 21	110	Conduct TBMCS BUILD PHASE 3.	B,R	-	L	-	-	-	365		0		0	MATERIAL .	4.0	2100	-	-	-
TBMCS 21	112	Conduct TBMCS BUILD PHASE 4.	B,R	1-1	L	-	-	-	365		0		0	11/1/14	6.0	2100	-	-	-
TBMCS 21	114	Conduct TBMCS BUILD PHASE 5.	B,R	1-1	l.	-	-	-	365		0		0	the list in	2.0	2100	-	-	-
TBMCS 21	116	Conduct TBMCS BUILD PHASE 6.	B,R	1-1	L	-	-	-	365		0		Ö	Tipe III	12.0	2100	-	-	-
TBMCS 21	118	Conduct TBMCS BUILD PHASE 7.	B,R	1 - 1	L	-	-	-	365	Land to	0		0		6.0	2100	-	-	
TBMCS 21	120	Conduct TBMCS BUILD PHASE 8.	B,R	-	L,	-	-	-	365	A SECTION	0	12000111	0		2.0	2100	-	-	-
TBMCS 21	122	Conduct TBMCS POST-CONFIG PHASE.	B,R	-	Ļ	-	-	-	365		0	370	0	and t	12.0	2100	-	-	-
TBMCS 21	124	Conduct TBMCS PATCH INSTALL.	B,R	-	L	-		-	365		0		0		24.0	2100	-	-	•
TBMCS 21	126	Conduct TBMCS VERIFICATION.	B,R	-	L	-	•	-	365		0	200	0	7-18-E	4.0	2100	-	-	-
	ΥŤ	OTAL THEATER BATTLE MANAGEMENT CORES	YSTEM	SKIL	LS STAG	E (TB	MCS)		1963	0	0	0	0	14	89	properties and the	THE LINE S	100	
_ 4		The second second second second second second						A PROCE	SSING EC	UIPM	ENT (AD	PE)	2.0	1000	and the second				
ADPE 21	130	Identify ADPE Server	В	- 1	L	- 1	-	-	*	S NIX	0	455.00	0	25-63.	2.0	-	-	1	
	132	Identify the IOW.	B,R	1 - 1	L	-	-	-	365		0	ariani.	0	i de	2.0	<u></u>			-
ADPE 21	134	Setup ADPE.	B,R	-	L	-		-	365	φ3: (45,73)	0		0		2.0	2130, 2132	-		
ADPE 21	136	Install ADPE systems.	В	-	L	-	-	-	*		0		0		8.0	2130, 2132, 2134			
ADPE 21	138	Configure ADPE.	B,R	-	L	-		-	365	945) F (2)	. 0		ó		8.0	2130, 2132, 2134, 2136	-	-	-
	140	Configure C2PC	B,R	-	L	-	-	-	365	100	. 0		0		8.0	-	-	_	-
	тот	TAL AUTOMATED DATA PROCESSING EQUIPME	NT SYS	TEM	skills s	TAĞ	(ADPE).	479.7		0	0	0	0	6	30	The second section	0.000	10	

	in rowe				MT	ACS I	MAINTENAN	ICE MOS	59 74 T&P	SYLL	ABUS MA	TRIX		329	Comment of the commen			. 16 (6.27.11)	
STAGE		EVENT	POL	i. a E		DÉV	ICE	c on d,	ŘÉFLÝ	ÂC۵	DUND/ DEMIC ENTS		IM ENTS	LÍVE E	VENTS	PREREQ	NOTES	CHAIN	EV EN T CONV
	CODE	TITLE			TYPE	# .	OPTION		1 : 5	#	ŤIME -	#.	TIME	Ĥ	TIME				teres de l'antique de
* *	ti sais			Au.		ı, CC	MMUNICA	TION DAT	A LINKS	STEN	(CDLS).	<i>y</i>		Agent 1	10		MAACCEL		diaListrace Nation
CDLS	2150	Identify the CDLS.	В	-	L	-	-	-	*	Transie	0		0	kajur	2.0	-	-	-	-
CDLS	2152	Identify AN/USC-55A Commanders Tactical Terminal Hybrid 3.	В	-	L	-	-	-	*		0		0	18-41-1 2 30-6	2.0	-	-	•	-
CDLS	2154	Setup CDLS equipment.	B,R	-	L	-	-	-	365	Ø.	0		0	aujus se Glebiotsk	4.0	2170		-	-
CDLS	2156	Setup CTT Equipment.	B,R	-	L		-	-	365		0		0	Similar.	2.0	2152	-	-	-
CDLS	2158	Install CDLS Software.	B,R	-	L	-	-	-	365	100	0		0		2.0	2150, 2154	-	-	-
CDLS	2160	Configure the CDLS.	B,R	- 1	L	-	-	-	365		0	11971	0		4.0	2150, 2154, 2158	-	-	-
		TOTAL GOMMUNICATION DATA LINK SYST	EM SKI	22ايا	TAGE (C	(צום		7.2		0	0	0	0	6	16	season (in the season of the season of	A SECTION ASSESSMENT		
100	10.00	and the second	17.6				COMBAT	OPERATIO	INS:GENT	ER (G	oc) 🕌	440	and a				是许久心	contract therefore	Bar, Buta
coc	2170	Identify the COC.	В	- Î	L	-	-	-	*	are con	0	3011	0		2.0	-	-	-	-
coc	2172	Setup the COC.	B,R	-	L	-	-	-	365		0	61127F	0	gari Sagig	8.0	2170	-	-	-
coc	2174	Install COC software.	B,R	- 1	L	-	-	-	365		0		0		8.0	2170, 2172	-	-	-
coc	2176	Configure the COC operations trailer.	B,R	-	L	-	-	٠	365		0		0		2.0	2170, 2172, 2174	-	-	-
		TOTAL COMBAT OPERATIONS CENTER	SKILLS	STÁC	SE (COC			. 213-00	ulu - 4	0	0	0	0	4	20	AND A THE RESERVE OF THE PERSONS	is in one ware	and a graph	grange and a
100	1,1440		A.1 **			INK.	MANAGEMI	ENT SYST	м миц	TAD	L (LMSN	Ť) = 1	70.00		14.02.1	gang dalah dan dan keranjah dan	g/Avide/	, constitute	igrafia Cala
LMSMT	2180	Identify the LMS-MT.	В	- 1	L	-	-	-	*		0	ar (in)	0	409	2.0	-	-	-	-
LMSMT	2182	Setup the LMS-MT equipment.	B,R	-	L	-		-	365		0		0	918 MARIE - 1	4.0	2180	-	-	-
LMSMT	2184	Install LMS-MT software.	B,R	-	L	-	-	-	365	d.	0		0	2.5	2.0	2180, 2182	-	-	-
LMSMT	2186	Configure the LMS-MT.	B,R	-	L	-	-	-	365	1144	0	3407	0		4.0	2180, 2182, 2184	-	-	-
		TOTAL LINK MANAGEMENT SYSTEM MULTIT	ADILSK	פווני.	STAGE (LMŠI	VIT)	3,54	1 a 3 a 3	0	0	0	0	4	12			d Striker	Julian Englis
S (2) (2)											MENT (T)	/DE)	2 4.3		and the		no de distri	1.00	Ser South to
TMDE	2200	Utilize Multi-meter.	В		L	-	-	D	*	100	0		0		1.0	MCI 287A	-	-	-
TMDE	2225	Utilize Ground Tester.	В		L	-	-	D	*		0		0		2.0	MCI 287A	-	-	-
TMDE	2240	Utilize Twisted Pair Tester	В		L	1.	-	D	*	j.	0	213,314	0	Y 1894	2.0	MCI 287A	-	-	-
	ΤĊ	TALGORE SKILLTEST MEASUREMENT DIAGNO	STICLE	UIPN	MENT ST	ÄĞĒ	(TMDE)	31 S - N	1.75	0	0	0	0	3	5				Barbara Allanda Barbara Barbara
						. And a		INTENAN	ICE (MÁII	vi)							Marcard Transfer	U error	
PMCM	2400	Induct Equipment Into Maint Cycle	В	-	L	-	-	_	*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0		0		2	-	_		-
PMCM	2405	Conduct SI-3 Inventory	В	1-	L	-	-	-,	*	194	0	12.00	0		2		-	-	-
PMCM	2475	Indetify Purpose of PM	В	1-	L	† -	-		*	1,02	. 0	2.2.	0	Fina II	1.5	-	-	- 1	-
PMCM	2480	Conduct Preventative Maintenance Checks and Services (PMCS)	В	-	L	-	-	-	*		0	100	0		8.0	-	_	-	-
PMCM	2485	Initiate Corrective Maintenance (CM).	В	† <u>-</u>	L	-		-	*	SHOW	0	1200	0	15.25	2.0	2480	-	-	-
		TOTAL MAINTENANCE SKILLS S		MAIN	T)	ÓQ		7 (2.8)		0	0	0	0	5	16	Section and leave			

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			71.74		МŤ	ACS N	MAINTENAN	ICE MOS	5974 T&I	SÝLL	ABUS M	ATRIX			KORALI KATAN				
			a Par		1 1 1	a.E	14.40			19:54:11.11.11	JUND/		SIM I	1.16					STORES
STAGE		EVENT	PÓL	Ě		DEVI		ČOND	REFLY		DEMIC ENTS	ĒΫ	ENTS	***************************************	VENTS	PŘEREQ	NOTES	CHAIN	EVENT
	CODE	51116			TÝPE	#	OPTION		ere y	# EV	TIME	an waterings with	TIME	Andreiden)	TIME				CONV
4410		tariff and the second second second			100	5500.000	COL	LATERAL	DUTIES	CD)						ing the experimental			
CD	2500	Maintenance Collateral Duties	В	-21	L	-	-	-	*		0	Ti	0	erenke ere	8.0	-	-	-	_
CD	2505	Identify Calibration Program	В	÷	L	-	-	-	*		0	10.15	0	5.85	1.0	2500, MCI 287A	-	-	-
ÇD	2510	Maintenance Mod Program	В	-	L	-	-	-	*		0		0		2.0	2500	-	-	-
CD	2515	Maintenance Tool Control Program	В	-	L	-	-	- 1	*	1	0		0		2.0	2500	-	-	-
CD	2520	Maintenance Pub Library Program	В	-	L	- 1	-		*	202	0	T.Z.B	0		2.0	2500		-	-
CD	2525	Maintenance Safety Prog	В	-	L	-	-	-	*	4	0	i i v	0	Shirt in it	2.0	2500		-	-
CD	2530	MSDS	В	-	L	-	-		*	100	0	1002	0		2.0	2500		-	-
CD	2535	Embarkation Elements	В	-	<u>L</u>	[-	<u> </u>		*		0		0	raurus analysisi sa	3.0	2500		-	-
CD	2540	MIMMS Forms	B,R	-	L	_	-		365	- 10	0		0	20000	2.0	2500, MCI 0410C		· _	-
CD	2545	Equipment Record Jacket	В	-	L	-		-	*		0		0	O SPACE	1	2500	-	-	
1440°		totángollateráldutilsskil							e e e	0	0	0	0	10	25		en en en en en en en en en en en en en e	2 Carlos	esser in the
and the second second		proceedings of the second					COMMUNI	CATIONS	SECURITY	(CON	(SEC)			al destruction of					
COMSEC	2600	Describe handling and storage of classified materials.	B,R	-	L	-	-	-	365		0		0		2.0	MCI 2525B	-	-	-
COMSEC	2605	Familiar with physical security requirements	B,R	-	Ĺ		-	-	365	330	0	üczilü	0	الإراق والمالية	2.0	MCI 2525B		-	-
COMSEC	2610	Conduct crew change over security procedures.	B,R	-	L	-		-	365		0		0	[786 - T	2.0	MCI 2525B, 2000	-	-	-
COMSEC	2615	Extract key material information from EKMS COMSEC callout.	B,R		L	-	-	-	365		0	Sell Vosti	0		2.0	MCI 2525B, 2000	-	-	-
COMSEC	2620	Utilize Simple Key Loader (SKL)	B,R	-	L	-	-	-	365		0		0		2.0	MCI 25258, 2000, 2010, 2015	-	-	-
94.		TOTAL COMMUNICATIONS SECURITY SK	ILLSS	AĞE	(comsi	C) .	Controls	and the last		0	0	0	Ö	5	10	The second second		1000	
1000E	at 18.35		e a stal	e di	and the		FAC	VILIARIZA	TION (FA	(M)									
FAM	2655	State HF, VF, and UHF frequency spectrums.	В	-	L	-	-	-	*		0	167	0	TO SECURE	2.0	-	-	-	-
FAM	2660	Describe HF, VF, UHF radio characteristics.	B,R	-	L	-	_		1460	200	0		0		2.0	-	-	-	-
FAM	2665	Install Earth Ground	В	$ \cdot $	L	-	-	-	*		0		0	nijelai.	2.0	2225	-	-	-
10 mm #40	Arrive.	TOTAL FAMILIARIZATION SKILLS	STAGE	(FAI	vi)					0	0	0	0	3	6	Carrie de La Carrie de		250	active began
3.00	ensures:	Puller of the second				Ti di	MAINTENA	NCEMAN	AGEME	in) Tr	viGT)		- K		i judit				A Comment
MMGT	2700	ldentify TFSMS Process	В	-	Ŀ	-	-	-	*		0	47.5	0	a de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la compos	2.0	-	<u> </u>		
ммст	2702	Equipment Disposition	В	_	L	-	-	-	*		0		0	7.2	3.0	2000, 2405, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-	<u> </u> 	-

alta (gil	4.0		1-15		MT	ACS I	VAINTENAI	NCE MOS	5974 T&I	R SYLL	ABUS MA	TRIX		Street S	18 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -				
STAGE		EVENT 4	POI	E.	Miles Tr	DEŸ		COND	REFLY	ACA	DUND/ DEMIC ENTS	ΕV	SIM ENTS	á	EVENTS	PREREQ	NOTES	CHAIN	EVENT ĆONV
in silver	CODE	TITLE CONTROL OF THE PARTY OF T		1715	TYPE	#	OPTION	Turk	¥400.3	,# ₃ ;	TIME	#	TIME	#	TIME	2 Districted Par			
MMGT	2704	PMCS Schedule	В	-	L	-	<u>-</u>	_	*		0		0		1.0	2000, 2475, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-	-	-
MMGT	2706	Inventory Control Procedures	B,R	-	L	-	-	-	1460		0		0	ili.	1.5	2405, 2500, 2515, 2545	-	-	-
MMGT	2708	ID functions of Maint Management	В	E	Ĺ,	-	-		*	860 ·	0	211774	0	i#LG.	13.0	2500	-	-	-
MMGT	2710	Reconcile MIMMS AIS Rpt	B,R	_	L	-	-	-	365				0		4.0	2000, 2405, 2500, 2515, 2520, 2535, 2545, 2722, 2806, 2836, 3208, 3210, 3212, 3242, MCI 0410, MCI 0414	-	-	-
MMGT	2712	Identify Float Process	B,R	<u> </u>	L.		-	-	1460	120	0	d'un L	0	id No.	2.0	2100, 2112, MCI 0410	-	-	-
MMGT	2714	Define Major funding lines	B,R	<u> -</u> _	L	-			1460	W 184	0		0	uphilinan.	2.0		-	-	
MMGT	2716	New equipment inducting process	В	-	L	-	-	-	*		0	4	0		2.0	2400, 2500, 2540, 2545, MCI 0410	-	-	-
MMGT	2718	Phase out equipment process	В	27	L	_	-		*		0		0		2.0	2000, 2405, 2500, 2520, 2535, 2540, 2545, 2704, 2722, 2806, 2836, 3208, 3210, 3212, 3242, MCI 0410		-	-
MMGT	2720	Conduct QA Inspection	B,R		L		-	-	1460		0		0		2.0	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2530, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840,		-	-

L bollon of	ak jarakilana Kapaja jar			ř g. úrra l	, Mt	ACS N	/AINTENAN	ICE MOS	5974 T&R	SYLL	ABUS MA	ATRIX			ifilia atania Ura atanpia		ilizatifiqi (a. 4 t 1811		
STAGE		EVENT	POI	E.		DEVI	CÉ	COND	RÊFLY	GRO ĀCĀ EV	DUND/ DEMIC ENTS	ÉV	SIM ENTS	LIVE	w	PREREQ.	NOTES	CHAIÑ	EVENT CONV
	CODE	TITLE		9769	TYPE	#.	OPTION	1545-45		#	TIME	# .	TIME:	A	TIME				ulpitan ulp
	Ì															3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242			
MMGT	2722	Inspect Maint Functional Areas	B,R	-	L	-	-	-	1460	rit soft	0	112,00	0	ije je je je je je je	16.0	2500, 2520			-
MMGT	2724	Submit TOECR	В		Ļ	-	•	-	*		0		0		16.0	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2530, 2535, 2600, 2605, 2610, 2615, 2620, 2700, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242	-	•	-
MMGT	2 7 26	Urgent Needs Process	В	İ -	L	-	•		*	<i>(4</i> 14.5)	0	11111111	0	me tant	2.0	2806	-	-	-
MMGT	2728	Develop Budget	B,R	-	L	_		-	1460	all a	0		0	re-roghun	16.0	2714	-	-	-
MMGT	2730	CMR Review	B,R	_	L	-	-	-	1460		0		0		40.0	2000, 2400, 2405, 2500, 2520, 2535, 2540, 2545, 2704, 2716, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-	-	-
MMGT	2732	Maintain Publication Library	В	-	L	_	-	-	*	SUPPLY STATES	0	riñgo	0	ill win.r.	2.0	2500, 2520	-	-	-
MMGT	2734	Maintain Safety Procedures	В	-	L	-		-	*	44.5	0	III A	0	T. Arrow	1.0	2500, 2525			ļ <u> </u>
MMGT	2736	Maintain Calabration Procedures	В	-	L		-		*		0		0		1.0	2500, 2505, MCI 287		-	

			17 Kin	,	MT	AĆŚ I	VAINTENAN	NCE MOS	5974 T&	Ř ŠÝLL	ĀBUS MA	ATRIX						ing kang	
-STAGE		EVENT	POI	E F		DÈV		COND	REFLY	ÀĊA	OUND/ IDEMIC /ENTS	ΕV	SIM /ENTS		VENTŠ	PREREQ	NOTES	CHAÍN	ÉVENT CONV
	CODE	TITLE	Ly Chile	Crix.	TYPE	Ħ	, OPTION	11.35		#.	TIME	#	TIME	#	TIME			ar and the	
MMGT	2738	Maintain MIMMS Procedures	В	-	l.	-	-	-	*	April :	0		0		2.0	2500, 2540, MCI 0410	-	-	-
MMGT	2740	CCI Procedures Implemented	В	5	Ĺ	-	-	,	*		0		0		1.0	2600, 2605, 2610, 2615, 2620	-	-	-
MMGT	2742	Ensure PMCS on TACC	В	-	L	_	-	-	*		0	**************************************	0		1.0	2000, 2475, 2480, 2500, 2520, 2535, 2540, 2545, 2704, 2716, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-	-	-
MMGT	2744	Maintain Equipment Records	В	-	Ł	-	-	-	*	id a	0	1.5.2.	0	inein.	1.0	2500, 2545	-	-	-
MMGT	2746	Command Level Brief	B,R	<u> -</u>	L		-	-	365	200	0	(1) HETT (2) AND	0	Vigini.	4.0	-	-	-	-
ммст	2748	Inventory Control Procedures	B,R	-	L	-	-	-	1450		0		0		1.5	2000, 2405, 2500, 2515, 2520, 2535, 2545, 2708, 2722, 2806, 2836, 3208, 3210, 3212, 3242	_	- -	-
MMGT	2750	UURI AUTORIZATION LETTER	В	<u> </u>	Ļ		-	-	*	W.L	0		0		2.0	•			
MMGT	2752	WIR PROCEDURES	В	<u> -</u>	L		-	-	*	2011	0	400	0		2.0	-		<u>-</u>	·
MMGT	2754	MAINT CYCLE EXT LETTER	В	<u>↓-</u>	L		-	-	*	1.4	0	1480311	0	1	2.0	-		-	
MMGT	2756	PQDR PROCEDURES	В	-	l.	-	-	-	*	ESTA ST	0		0	iga proje	2.0		-	- tretassenákla Kensir	december of the second
fig: we		TOTAL MAINTENANCE MANAGEMENT								0	0	0	0	29	147	Marine Secretaria	ar sgudi	Alles Grand	4004800000
	8,400	A CONTRACTOR OF THE SECOND			W. fir is		OPERATIO	nam 2nd	AGEMEN	T (ON	GT)								AND STREET
OMGT	2802	Key Planning Documents	В	E	L	-	-		*		0	2000 2000	0	45 THE	2.0	-			
OMGT	2804	Elements of an Op Order	В	-	L	-	-	-	*	olui.	. 0	Alama Alama	0		2.0	-		-	-
OMGT	2806	Mission Equipment Requirements	B,R	•	L			-	365		0		0		2.0	-	-	-	-
OMGT	2830	Conduct a site survey	B,R	-	L	-	-	-	1460		0	11811 2185	0	*30.10.11 - 122.112	4.0	-	-	-	
OMGT	2832	Crew Requiirements	B,R	-	L	-	•	-	365	net nan	0	111441	0	in survival	2.0	-	-	-	
OMGT	2834	Supply Support Requirement	В	-	l.	-	-	-	*		0	8	0	i i kaliba	3.0	2806	-		-
OMGT	2836	Develop Embarkation Plan	В	-	L		-	-	*	int.	. 0		0		1.5	2806	-	-	-
OMGT	2838	EDL	B,R	-	Ł	-	-	-	1460	100	0	11.11	0	1000	8.0	2806	-	-	-
OMGT	2840	IOW Embarkation	B,R	-	L	-	-	-	1460	Curick	0		. 0	101 1 2 1100 1 2	2.0	2132, 2806	-		-
OMGT	2842	Power Requirements	B,R	-	L	T -	-	-	365	il line	0		0	Sagaran Markan	4.0	2806	-		-
OMGT	2844	Submit Frequency Request	В	1	Ļ	 -	-	-	*	14. 34	0		0	Danier.	1.0	2655		-	-
OMGT	2846	Logistics Support Request (LSR)	В	-	L	١-		-	*		0	1.17.183	0	(Carriel)	1.0	2806	-	-	•
OMGT	2848	Bill of Material (BOM)	B,R	1-	L	T-	-	-	1460	5.1	0	200 mg	0	Charles	2.0	2806	-	-	-
OMGT	2850	Administering the network	B,R	† <u> </u>	L	 -	-	-	365	475(751)	0	200	0	2264	12.0	-	-	-	-
OMGT	2852	Verify TDS Operational	B,R	† <u>-</u>		-	<u> </u>		365	A Paris	0		0	*P4	12.0	-	•	-	-
CIVICI	1 2002	verify too operational	1,10			Щ.		L	1	111111111111111111111111111111111111111	·	1		Tourself (199	<u> </u>	·			·- ··

				i.	Мт	ACS I	MAINTENAN	ICE MOS	5974 T&I	ŚŸŁL	ABUS MA	TRIX	1.5		9.90 Egg				
STAGE.		EVENT	ΡOI	E	14.20	11.00	ICE	conb	ŘEFLÝ	GR ĀC	OUND/ NDEMIC /ENTS		IM ENTS	rate.	VENTS	PREREQ	NOTES	CHAIN	EVENT CONV
	CODÉ	TITLE	2 7 G		TYPE	#.	OPTION		appara a	#	TIME	#,	TIME	#	TIME		1100 A.P.		
OMGT	2854	Perform Security Administration	B,R	-	L)	1	-	-	365	EG.	0	10 发 20 8 块	0	dian.	12.0	-	-	-	•
OMGT	2856	Provide Link 11 HF via the CDLS	B,R	-	L	-	-	-	365		0		0	Digital No.	6.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2858	Provide Link 11B via the CDLS	B,R	-	L	-		-	365		0		o,	Tipel	6.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2860	Provide Link 16 via the CDLS	B,R	_	L	-		-	365		0		0	deler Veru	4.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2862	Provide JREAP B/C via the CDLS	B,R	_	l	_	-	<u> </u>	365	Æ.	0		0	(14) (1)	6.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2864	Provide intelligence links	B,R	٠-	L	-	-	-	365	196	0	su id	. 0	0201812-71	6.0	2152, 2156	-	-	-
OMGT	2866	Provide Link 11B via the LMSMT	B,R		L	-	-	- 	365		0	House	0		6.0	2180, 2182, 2184, 2186		-	-
OMGT	2868	Provide Link 16 via the LMSMT	B,R	-	L	-	-	•	365		0	inche 197	0	er den	6.0	2180, 2182, 2184, 2186	-	-	-
OMGT	2870	Provide Link JREAP B/C via the LMSMT	B,R	-	L	-	-	-	365		0		0		6.0	2180, 2182, 2184, 2186	-	-	-
OMGT	2872	Provide Link 11 UHF via the CDLS.	B,R	-	L		-	-	3 65	ái.	0	(2002) 1 (2012)	0		4.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2874	Provide JREAP A via the CDLS.	B,R	-	L	-	-	-	365		0		0	digas.	4.0	2150, 2154, 2158, 2160	-	-	-
OMGT	2876	Provide JREAP A via the LMS-MT.	B,R	-	Ļ	-	-	_	365		0		0		4.0	2180, 2182, 2184, 2186	-	-	
a de la constanta de la consta		TOTAL OPERATIONS MANAGEMENTS								0	0	0	0	27	129		100 is		10.1
	ga (Ag Sai idg)	. Do not salida de esperante popular quanto de la manda de la manda de la manda de la manda de la manda de la m					ORGANIZ	TIONAL	7	RE (Q	7		_	hysterik ar, a				() () () () () () () () () ()	ita da seguia. I
ORGS	2900	Identify MACS	В	-	L	-	-	-	*	£ Silv	0	20,000	0	MASS	4.0	8004, 8005	-	-	-
ORGS	2905	Identify MATC Air Stations	В	<u> -</u>	L	<u> </u>	<u> </u>	-	*		0	134	0	14	2.0	8005	<u> </u>		-
ORGS	2910	Identify MASS	В	<u> -</u>	L	-	-	•	*	100	0		0	deces	2.0	8003	-	-	-
ORGS	2915	Identify MTACS	В	-	L	-	-	-	*		0	iiosad	0	enio.	2.0	8002	-	-	-
ORGS	2920	Identify LAAD	В	<u> </u>	L	-		-	*		0	445	0	ijasaja 1900	2.0	8006	-	-	-
ORGS	2925	Identify VMU	В	-	L	-	<u> </u>	-	*	OK.	0		0	- 10 m	2.0	8007	-	-	-
ORGS	2930	Identify MWCS	В	-	L	<u> </u>		-	*	UMUS	0	ciami	0	acate o	2.0	8008	ļ .	-	-
ORGS	2935	Identify MWSS	В	<u> -</u>	L		-		*	3 %	0		0	ia Dalar Kasalara	2.0	8028	-		-
ORGS	2940	Identify MLG support sections	В	٠-	L	Ŀ	-	-	*	355 TV	0	HAT	0		2.0		-	-	-
ORGS	2945	HHQ Mission and Support Agencies	В	E	L	_		-	*	11 191 23 13	0	2268	0	22.77	2.0	8001, 8063	-		-
ORGS	2950	MACCS OV (ADD)	B,R		L	-			1460	44.2	0		0	Egg Parents	4.0	8000, 8028, 8063	-	-	-
400	Sec. 22.	TOTALORGANIZATIONALSTRUGTURE	skijilsi	STAC	E (ORGS)	estilet			0	0	0	0	11	26		11:37	4 (4 (3))	1.00
17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	4 . 124	TOTAL GORESKILL PHASE (20	000 P.H	ÁSE)	27,220		MARIE LA	Julio Hel	8 4. <u>-</u> 2	0	0	0	0	159	614	and the second second		-2-55 pt 110	Economic St.

1	Turk to the same		41 KH20		įмт	ACS I	MAINTENAI	NCE MOS	5974 T&	R SÝLL	ABUS M	ATRIX	Value of September 1999		Haria and a	en ereste i er spet tiper i districti. Seki esperatoristi, e cantillo i intele			Terrania de la composición dela composición de la composición de la composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición de la composición dela composición de la composición dela composición dela composición dela composición dela composición dela composición dela composic
STAGE	7 22 (2)	EVENT	POI	Ė	in it	DEV	ICE	COND	REFLY	Aca	DUND/ DEMIC ENTS		ŠIM /ENTS	LIVE E	VENTS	PREREQ	NÕTES	CHAIN	EVENT CONV
	CODE	TITLE REPORTED TO COMP.	in subs		TYPE	Ħ,	OPTION	en Landa.		# .	TIME	#.	TIME	#	TIME				
	and the contract			Çar.	78.00	∵M!	SSION SKILL	TRAININ	G (3000)	HASE	EVENTS)		4 (4	See See	n ést				SHIP TOX
		TÁCO	OPER	ATIO	VS AND	TACC	INFRASTR	UCTURE S	KILLTRA	NING	EVENTS	(TÁCC	OPS) AI	ND (TACC	INF)			(Lengi	4.70.7
DEPL	3005	Prepare System Embark	B,R	-	L	-	-	-	730	illi in the state of the state	0		0		8.0	2132, 2405, 2500, 2535, 2806, 2838, 2840	-	-	-
DEPL	3010	Deploy a Maint Section ISO TACC	B,R	-	L	-	-	-	730		0		0		8.0	2132, 2405, 2500, 2535, 2806, 2838, 2840, 3005	-	-	-
MMGT	3100	Verify Maintenance Process	В	-	L	-	_	-	*		0	- Z2 - Z2 - Z2 - Z2 - Z2 - Z2 - Z2 - Z2	0	inich Politica Politica	2.0	2500, 2540, 2710, 2748		-	-
MMGT	3105	Validate float process.	B,R	-	L] -			1095	100	0	1,23,174	0	51444	2.0	2500, 2540, 2712	-	-	-
MMGT	3110	Funding Requirements	В	-	L	-	-	-	*	Argrisin	0	\$4.04 1	0	difficulties.	3.0	2714		-	-
OMGT	3204	COMSEC Handling	B,R	-	L	-	-	-	730		0	7.11	0		1.0	2600, 2605, 2610, 2615, 2620		-	-
OMGT	3206	Identify Operational requirements.	B,R	-	L	-	-		365	N. H.	0	W.	0	Spirite.	40.0	2804, 2806, 2832	-	-	-
OMGT	3208	Perform CBRN	B,R	-	L	-	-	-	365		0		0	144	5.0	-	-	-	٠
OMGT	3210	Understand Basic Maint Section Ops	B,R	-	L	<u> </u>	-	-	1460	New State of	0	::::::::::::::::::::::::::::::::::::::	0	in in	2.0	2500, 2520, 2722	-	-	<u> </u>
OMGT	3212	Understanding Basic Maint Section Deploy Considerations	B,R	-	L	-	_	-	1460		0		0		2.0	2500, 2520, 2535, 2722, 2806, 2836, 3210		-	-
OMGT	3214	Understand Advanced Maint Section Ops	B,R	-	l,	-	-	-	1460		0		0		3.0	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3242	-	-	
OMGT	3216	Understanding Advanced Maint Section Deploy Considerations	B,R		L	-	-	-	1460		0		0		3.0	2000, 2500, 2520, 2535, 2722, 2806, 2836, 3208, 3210, 3212, 3214, 3242	-	-	-

	Hijbaa is Jane 2005		āulā		, MT/	ACS N	MAINTENÁI	NCE MOS,	5974 T&	R SYLL	ABUS M	ATRIX		11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
STAGÉ	CODE	EVENT.	PÓI	E	Mari	DEVI	ICE OPTION	COND	REFLY	AC	OUND/ ADEMIC VENTS TIME	#.	SIM VENTS	LIVE E	VENTS	PREREQ	NOTES	CHAIN	E V ENT CONV
ОМСТ	3218	Understand Maint Sect Management	B,R	-	Ŀ		-	-	1450		0		0		4.0	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2530, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242	_	-	-
OMGT	3222	Manage network.	B,R	-	L	-	-	-	365		0		0	es Maistri	4.0	2030, 2035, 2040, 2045	-	-	-
OMGT	3224	Manage TBMCS	B,R	Ē	L	·			365		0		0	E Barkers	12.0	2100, 2102	-	•	-
омст	3226	Manage ADPE.	B,R		L	-	,		365		0	arati.	0	and a	2.0	2130, 2132, 2134, 2136, 2138	-	•	-
OMGT	3228	Manage AFATDS	B,R		L	-		-	365		О		0		2.0	2050, 2055, 2060, 2065	-	-	-
OMGT	3230	Manage the IOS.	B,R	-	L	1	-	-	365	21. 21.	0		0		2.0	2075, 2080, 2085, 2090	-	-	-
OMGT	3232	Manage the CDLS.	B,R	-	L	-	-	-	365	24	0	150	0		4.0	2150, 2154, 2158, 2160		-	-
OMGT	3234	Manage the COC.	B,R	1	L	-	-	-	365		0	56 to 52 3 53 0	0		8.0	2170, 2172, 2174, 2176	•	<u>-</u>	-
OMGT	3236	Manage the LMS-MT.	B,R	-	L	•	-	-	365	die.	0	1564	0		4.0	2180, 2182, 2184, 2186	-	-	-
OMGT	3238	Design network architecture	B,R	-	L	-	-	-	365	150 100 100	0 -		0		4.0	2030, 2035, 2040, 2045	-	· <u>-</u>	-
OMGT	3240	Design a link architecture.	B,R	<u> </u>	L				365	ig.	0	Signal Signal	0		2.0	2850	-		-

			and a second	7. 2. 17. 17.	MŤ	اردی	MAINTEÑAI	NCE MOS	5974 T&i	R ŜYLL	ABUS M	ATRI)	.				41-14-11-11		
ŠT Á ĞE	CODE,	EVENT	POL	ш,	TYPE	DEV	ice Optión	COND.	REFLY	ACA	OUND/ ADEMIC JENTS TIME	E	SIM VENTS TIME	LIVE	EVENTS TIME	PREREQ	NOTES	CHAIN	EVENT CONV
SI PERSONAL PART	A Martin Contraction	TITLE STATE AND A STATE OF THE	25,05(2)		a Tanggara da a sal	- H., E	OPTION.	4-4-5	265	<i>#</i>		***		in the same	decia-pode 5 mg		i i p i i i i i i i i i i i i i i i i i		
OMGT	3242	Erect AN/TYQ-1(V)	B,R	ļ	L		-		365		0	3.77	0		2.0	2000	-	-	-
OMGT	3244	Ensure proper erection of TACC	B,R	-	L	- -	-	- 1323 (1997)	36 5	Sak	0		0	213111	12.0	-	-	-	-
	TOTALTA	co operations and tacoinerastructures								0	0	0	0	23	141	Aller and the second second		THE STATE	
		TOTAL WISSION SKILLPHASE (************	*************				**************	***************************************	0	0	0	0	16	141				
100							ON PLUS,SK						b	k :	Lieu (e.)			44.44	
design par 1980.	All the last	And the Second Second Second	*		* 2300	78	COMMON	CONNEC	TIVITY DE	VICE	CCD),		e i e e e e	11001140190404	en en la	r Asymetrica (Company) and a second	Section (University	Late Market Artist	katinihasisitaan
CCD	4005	Identify the CCD	В	<i>;</i> -	L	-	-	-	*		0		0	146.1 1	2.0	-	-	2005, 2010, 2020	-
CCD	4010	Setup the CCD Equipment	B,R	-	L	-	,	-	365		0		o		4.0	4005	-	2005, 2010, 2020	-
CCD	4015	Install CCD Software.	B,R		Ļ	-	-	-	365	320 ·	0	5380	0	apagada i	2.0	4005, 4010	-	-	-
CCD	4020	Manage CCD.	B,R	-	L	-	-	-	365	3. 3. 3.	0		0		2.0	4005, 4010, 4015	-	2005, 2010, 2020, 4010	-
CCD	4025	Provide Link 11B via the CCD.	B,R	-	L	-	-	-	365	62.5	0		0		4.0	4005, 4010, 4015, 4020	-	-	-
CCD	4030	Provide JREAP B/C via the CCD.	B,R	-	L	-	-	-	365		0		0	144	4.0	4005, 4010, 4015, 4020			- Calcardo Ostrol State (Sect
्रकार और		TOTAL COMMON CONNECTIVITY DEVIC	A COUNTY OF THE PARTY OF	er to early early		20,000	200	ta tibabili	66.0 c. 4	0	0	0	0	6	18		10,15,15	Territoria.	4074, 1075
		TOTAL MISSION PLUS SKILL PHAS					444.7			0	0	0	0	6	18			100	17. (2.4)
and the same	N	TOTAL 2000, 3000, AND 40	ALL DESCRIPTION OF THE PROPERTY OF THE PROPERT	Appropriate person	and the same story and a	CAPACITA	y Assess	J		0	0	0	0	181	773	respiration are supplied to th	Harris Maries	And the state of	
		A Commence of the Commence of Asset		yr, (4	Sarting.	ĮΝ	STRUCTOR	A		**********	Acres Marie Marie a				ANN	ent at began uped myan upen yang be	. The second	4	AND THE
	100		n de	1			INSTRUC	, , , , , , , , , , , , , , , , , , , ,		ING (ÚŤ) .		kasili da da da	27/					
	de la compa	and the second s	2465	b.	de a seas	Õ.		SIGINST	UGTOR (BI)					20138	a de la companya della companya della companya de la companya dell			
IUT	5000	Introduce principles of instruction	В	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	В	-	G	-	-	D	*	100	0		0	ili dite rili dite di wili i	1	Recommended by SI or WTI	-	•	-
lUT	5020	Conduct a period of instruction on a T&R event	В	-	G	-	-	D	*	344	0	100	0		2	Recommended by SI or WTI	-	-	-
		TOTAL BASIC INSTRUCTOR SKI	LESSTA	ĠE (É	31):2:35		4.4		Anna A	0	0	0	0	3	5		44.		100

					МТ	ACS I	MAINTENAK	NCE MOS	5974 T&F	3 SYLL	ÁBUS MA	ÁTRIX	ia a lii			orszáltagy az szágátalkai kölyelet máza szá szágátaláságát szágát	Arren M. Haritza Karangan Kabupaten		illi Karli Jak
STAGE	CODE	EVENT	POU	E			IGE OPTION	COND	REFLY.	ÄCA	OUND/ DEMIC ZENTS TIME	ΈV	SIM PENTS TIME	LIVE	VENTS TIME	PREREQ	Notes	CHAIN	ÉVENT CONV
工厂工程 。	a di				gept 750		SEN	VIOR INST	RUCTOR	(SI)	a la co		1	History.	4.66			diam'r.	programmy and
IUT	5100	Understand Aviation T&R program	В	-	G	-	•	D	*		0	110	. 0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	В	1	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	В	-	G	-	-	D	*	in in	0		0		2	5000, 5010, 5020, 6320	•	<u>.</u>	-
IUT	5130	Develop a training plan	B,R	-	G	-	-	D	365		0		0		2	5000, 5010, 5020, 6320	-		-
		'TOTAL SENIOR INSTRUCTOR SKI								0	0	0	0	4	8		A SHOP CAN	4, 2,613	8 867
100		TOTAL INSTRUCTOR UNDER TRAINING							Stage H	0	0	0	0	####	#REF!	and the second second	400		
7.47		RE													E)		e garjete	10.000	eto arritario
						16	ดูป	ALIFICAT	ONS (QU	AL)	disas 7	38.43	(1) (1) (4)	(1969°).	(9.1	7.5064	12.00 (10.00)
QUAL	6475	C2SM	B,R	,E	L	1		_	1095		0		0		8	2000, 2005, 2010, 2015, 2020, 2025, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2130, 2132, 2134, 2136, 2138, 2140, 2170, 2172, 2174, 2176, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3228, 3230, 3234	-	-	-
QUAL	6480	WTF	B,R	E	Ļ	-		-	1095		0		0		8	2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 3222	-	-	-

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STÄGE		EVENT	POI	, mt		DEV		COND	ŘEFLY	ÀCÀ	DUND/ DEMIC ENTS	ΕV	SIM YENTS	. LIVE E	VENTS	PREREQ	NOTES	CHAIN	EVENT CONV
QUAL	6485	THE	B,R	E	TYPE.	#	OPTION:	24 (24) 13 (24) 24 (24) 25 (24) 25 (24) 25 (24) 25 (25	1095	#	TIME O	#	TIME_ O		ТІ МЁ 8	2000, 2005, 2010, 2015, 2020, 2025, 2100, 2102, 2104, 2106, 2108, 2110, 2112, 2114, 2116, 2118, 2120, 2122, 2124, 2126, 2200, 2225, 2240, 2600, 2605, 2610, 2615,	-		-
QUAL	6490	TDLA	B,R	E	L		_	-	1095		0		. 0		8	2620, 3224 2000, 2005, 2010, 2015, 2020, 2025, 2150, 2152, 2154, 2156, 2158, 2160, 2180, 2182, 2184, 2186, 2200, 2225, 2240, 2600, 2605, 2610, 2615, 2620, 2714, 2728, 2744, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 3232, 3236		-	-
QUAL	6500	TDSBT	B,R	E	L	-	-	-	1095		0	in in	0		8	2000, 2500, 2520, 2535, 2722, 2756, 2806, 2836, 3208, 3210, 3212, 3242	-	-	-

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STAGE	CODE	EVENT	POL	1122	4		GE. √OPTION	COND	REFLY	ACĀ	DUND/ DEMIC ENTS TIME	E)	SIM VENTS TIME	LIVE I	EVENTS TIME	PREREQ.	NÖTES	CHAIN	EVENT CÖNV
QUAL	6505	TDSAT	B,R	E	L		-	-	1095		0		0		8	2000, 2030, 2035, 2040, 2045, 2050, 2065, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2150, 2152, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2532, 2535, 2600, 2605, 2610, 2615, 2620, 2708, 2722, 2750, 2752, 2754, 2804, 2806, 2832, 2836, 2838, 2840, 3005, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3222, 3224, 3226, 3228, 3230, 3232, 3234, 3236, 3242	_	-	-
4	- 4	TOTAL QUALIFICATIONS \$7.0	matte (married married				D.			0	0	0	0	4	16			10000	
DESG	6320	Basic Instructor (BI)	В	Γ.	L	-	-	- John -	*	9),	0		0		О	5000, 5010, 5020	-	-	-
DESG	6321	Senior Instructor (SI)	В		L	-	-	-	. *	ŭ.644	0		0		0	5000, 5010, 502 0 , 5100, 5110, 5120, 5130, 6 320	-	-	-
DESG	6510	TDSACC	В	_	L	-		-	*	page (S)	0		0		0	2030, 2035, 2040, 2045, 2850, 3208, 3238, 3240, 8000, 8020	_	-	-

			, Jul	i Anni in	MŤ.	ACS N	MAINTENAN	ICE MOS	5974 T&R	SYLL	ABUS MA	TRIX	n in		un vit				
STAGE	Tarifalari	EVENT	POI			DEV	i kata ir	COND	REFLY	ACA	OUND/ DEMIC ENTS	E۷	and indicates an entire for the feet	10.21	VENTS.	PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE OF THE PARTY	1957		TYPE	H.	OPTION	Albert Ares		¥	TIME	#	TIME	#	TIME				
DESG	6515	TACC MC	В		L		•	-	*		0		0		0	2000, 2030, 2035, 2040, 2045, 2050, 2055, 2060, 2065, 2075, 2080, 2085, 2090, 2100, 2102, 2130, 2132, 2134, 2136, 2154, 2158, 2160, 2170, 2172, 2174, 2176, 2180, 2182, 2184, 2186, 2405, 2500, 2515, 2520, 2530, 2535, 2540, 2600, 2605, 2610, 2615, 2620, 2708, 2710, 2712, 2714, 2722, 2738, 2804, 2806, 2832, 2836, 2838, 2840, 2850, 3005, 3100, 3105, 3110, 3204, 3206, 3208, 3210, 3212, 3214, 3216, 3218, 3222, 3224, 3226, 3238, 3240, 3242, 3244, 8060, 8080, MCI 0410, MCI 0414, SCHL-6020, SCHL-6021	-	-	
DESG	6550 6555	SAFETY CD HAZMAT CD	B	-	L L	- !	-		*	in the second	0	3120120	0		2	2500, 2525, 2530 2500, 2525, 2530			_
DESG	6560	PUB CD	В	-		-		_	*		0		0	in the second	2	2500, 2520			-
DESG	6565	TRAINING CD	В	-	_ <u>_</u> _	t -		_	*		0		0		2	2500	-	-	
DESG	6570	TOOLS CD	B	-	ī	-	-	-	*	Santa Alba	0	1	0	Lionation	2	2500, 2515, 2545	-	-	-
DESG	6575	CALCD	В		L	-	-	-	*		0	76.51 76.51 76.51 76.51 76.51 76.51	0		2	2500, 2505, 2545, MCI 287	-	-	-
DESG	6580	MOD CD	В	-	L	-]	-		*	102 tr	0	333	0	14 M (10 / 10 / 10 / 10 / 10 / 10 / 10 / 10	2	2500, 2510, 2545	-		
DESG	6585	EMBARK CD	В	-	L,		-	-	*	Serie in	Ō	11790	0		2 ·	2500, 2535, 2545	-	-	-
DESG	6590	MIMMS CD	В	-	L	-	-	-	*		0	1:30	0	#	2	2500, 2540, 2545, MCI		-	

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3.17 <u>SYLLABUS EVALUATION FORMS</u>. See paragraph 208.8 in this chapter. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

https://www.intranet.tecom.usmc.mil/sites/mawts1/mawts1%20webpages/c3 wttp.as
px

3.18 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). NONE

CHAPTER 4

DATA SYSTEM MAINTENANCE OFFICER (DSMO) / MOS 5970
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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CHAPTER 4

DATA SYSTEM MAINTENANCE OFFICER (DSMO) / MOS 5970 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

- 4.0 DSMO/5970 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission skills. The goal of this chapter is to develop individual and unit warfighting capabilities.
- 4.1 $\underline{\text{MOS}}$ 5970 TRAINING PROGRESSION MODEL. This model represents the recommended training progression for the average Data Systems Maintenance Officer. Units should use the model as a point of departure to generate individual training plans.

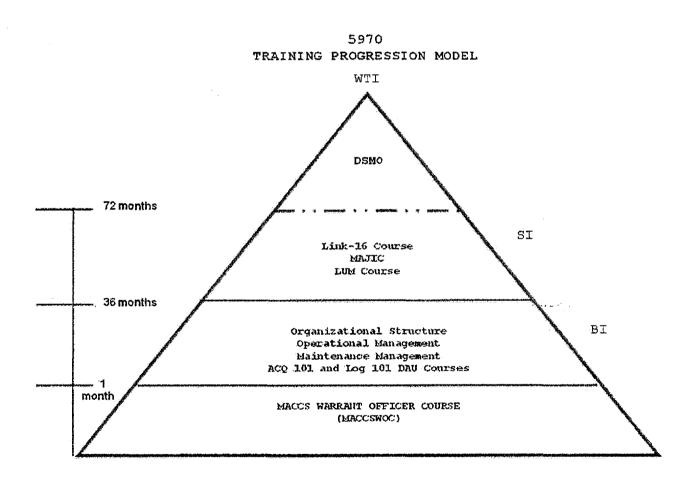


Figure 4-1. Data Systems Maintenance Officer (MOS 5970)
Training Progression Model

4.2 ABBREVIATIONS

	MTACS MAINTENANCE MOS 5970							
CORE/	CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS							
	CORE SKILL (2000 Phase)							
COMSEC	COMMUNICATION SECURITY							
FAM	FAMILIARIZATION							
MMGT	MAINTENANCE MANAGEMENT							
OMGT	OPERATIONS MANAGEMENT							
ORGS	ORGANIZATIONAL STRUCTURE							
	MISSION SKILL (3000 Phase)							
TACCOPS	TACC OPERATIONS							
TACCINF	TACC INFRASTRUCTURE							
	INSTRUCTOR (5000 Phase)							
BI	BASIC INSTRUCTOR							
SI	SENIOR INSTRUCTOR							
WTI	WEAPONS AND TACTICS INSTRUCTOR							
CERTIFIC	ATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)							
DSMO	DATA SYSTEMS MAINTENANCE OFFICER							

4.3 <u>DEFINITIONS</u>

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 for amplifying information on POI updating.

	MTACS MAINTENANCE MOS 5970									
ATTAI		INTAIN CO	-	ION/CORE	PLUS					
A'	TTAIN PR	OFICIENCY	•	MAINT	'AIN					
BASIC	BASIC POI REFRESHER POI PROFICIENCY									
	COR	SKILL (2000 Pha	se)						
STAGE	CODE	STAGE	CODE	STAGE	CODE					
	2600R		2600R		2600R					
	2605R		2605R		2605R					
COMSEC	2610R	COMSEC	2610R	COMSEC	2610R					
	2615R		2615R		2615R					
	2620R		2620R		2620R					

	MTACS	MAINTENA	NCE MOS	5970	
ATTAI		INTAIN CO	•		PLUS
A	TTAIN PR	OFICIENCY		MAIN	TAIN
BASIC	POI	REFRESH	ER POI	PROFIC	CIENCY
	2650				
	2 65 5				_
FAM	2660	FAM		FAM	
•	2665R		2665R		2665R
	2670				
	2712R	-	2712R		2712R
•	2724				
	2728R		2728R		2728R
	2730R		2730R		2730R
	2740				
	2746R	1554 O.M.	27 46 R	10.00	2746R
MMGT	2750R	MMGT	2750R	MMGT	2750R
	2752R		2752R		2752R
	2754				
	2756				
	2758				
	2760				
	2800R		2800R		2800R
	2802				
	2804				
	2806R		2806R		2806P
	2812R		2812R		2812F
	2814R		2814R	j*e	2814F
014GM	2816R	ovem.	2816R	OMCE	2816R
OMGT	2818	OMGT		OMGT	
	2820				
	2830R		2830R	-	2830R
	2834				
	2842R		2842R		2842R
	2844				
	2846				
	2 9 00				
ODGG	2 9 05	ORCE		OPCE	
ORGS	2910	ORGS		ORGS	
	2915				

ATTALI		ICIENCY M		POI	
A	TAIN PR	OFICIENCY		MAINT	AIN
BASIC	POI	REFRESHI	ER POI	PROFIC	ENCY
	2920				
	2925				
	2930				
	2935				
	2945				
	2950R		2950R		2950R
	MISSI	ON SKILL	(3000 P	haśe)	
STAGE	CODE	STAGE	CODE	STAGE	CODE
•	3200R		3200R		3200R
	3206R		3206R		3206R
TACCOPS	3208R	TACCOPS	3208R	TACCOPS	3208R
	3218R		3218R		3218R
	3220R		3220R		3220R
	3200R		3200R		3200R
	3206R		3206R		3206R
TACCINF	3208R	TACCINF	3208R	TACCINF	3208R
	3218R		321 8 R		3218R
	3220R		3220R		3220R
nou p		D BLUE FO			<u> </u>

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 <u>Instructor Designations</u>

MTACS MAINTENANCE MOS 5970 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							

4.5.2 Requirements, Certifications, Qualifications, and Designations

MTACS MAINTENANCE MOS 5970 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)													
RCQD	EVENTS					_							
BASIC INSTRUCTOR DESG 6320	5000,	5010,	5020								-		
SENIOR INSTRUCTOR DESG 6321	5000,	5010,	5020,	5100,	5110,	5120,	5130,	6320					
WTI DESG 6322	5000,	5010,	5020,	5100,	5110,	5120,	5130,	6320,	6321,	SCHL-	6000		
DSMO DESG 6520	2600, 2730, 2812, 2915, 8020,	2740, 2814, 2920,	2746, 2816, 2925,	2750, 2818,	2752, 2820,	2754, 2830,	2756, 2834,	2758, 2842,	2760, 2844,	2800, 2846,	2802, 2900,	2804, 2905,	2806, 2910,

4.6 5970 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

MTACS MAINTENANCE 5970 BASIC POI					
WEEKS1	PHASE OF INSTRUCTION	UNIT RESPONSIBLE			
1-4	CORE SKILL INTRODUCTION TRAINING	MCCES			
5-48	CORE SKILL TRAINING	TACTICAL SQUADRON			
34-48	MISSION SKILL TRAINING	TACTICAL SQUADRON			
N/A	CORE PLUS	TACTICAL SQUADRON			

4.6.2 Refresher POI

MTACS MAINTENANCE MOS 5939 REFRESHER POI				
WEEKS1	PHASE OF INSTRUCTION	UNIT RESPONSIBLE		
118	CORE SKILL TRAINING	TACTICAL SQUADRON		
1-14	MISSION SKILL TRAINING	TACTICAL SQUADRON		
N/A	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	
	If the event is to be conducted in the simulator the Simulator ctor shall set the desired environmental conditions for the event.	

4.7.2 <u>Device Matrix</u>.

	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		
C₽	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	В	Initial MOS Training			
Refresher	R	Return to community from non (MOS/Skill) associated tour			
Maintain	м	All individuals who have attained CSP/MSP/CPP 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 CORE SKILL INTRODUCTION PHASE (1000)

4.8.1 <u>Purpose</u>. To provide classroom entry-level instruction to develop the basic skills necessary for a MOS 5970 Data System Maintenance Officer to attain the foundational knowledge on maintenance management and equipment systems for the TACC, TAOC, and DASC agencies. This training is completed upon graduation from the Marine Air Command and Control Systems (MACCS) Warrant Officer Course

4.8.2 General

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

4.8.2.2 Admin Notes.

- (1) Marine Air Command and Control Systems Warrant Officer Course, MCCES, located in 29 Palms, CA.
- (2) While attending the MACCSWO Course, maintenance officers shall complete all events in the ACPM MACCS (8000) and ACE (8020) stages prior to graduating from the course. The formal school shall be annotated in each MACCSWO student's IPR as having completed these two ACPM modules, see the MAWTS-1 C3 Course Catalog for requirements.
- 4.8.2.3 <u>Stages</u>. The following stages are included in the Core Skill Introduction Phase of training.

PAR NO.	STAGE NAME
4.8.3	MACCS MAINTENANCE WARRANT OFFICER (MMWO)

4.8.3 MACCS MAINTENANCE WARRANT OFFICER (MMWO) STAGE

4.8.3.1 <u>Purpose</u>. To qualify Aviation Radar Maintenance Officers (MOS 5910) and Data System Maintenance Officers (MOS 5970) in Core Skills Introduction Phase (1000 level) Training and Readiness Events per NAVMC 3500.14.

4.8.3.2 General

<u>Prerequisite.</u> Must meet the prerequisites published in the current edition of MCO 1200.17 (MOS Manual) for the PMOS held. These include: a secret security clearance and prior qualification in a specified enlisted military occupational specialty.

Admin Notes. None

Crew Requirements: None

MMWO-1000 2.0 (*) B

<u>Goal</u>. Conduct a Consolidated Memorandum Report (CMR) Review.

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

- 1. State the purpose of a CMR.
- 2. Review TE.
- 3. Conduct a CMR inventory.

- a. Ensure SL-3 accountability for assumption and relief.
- b. Determine UURI requirements.
- c. Ensure equipment have record jackets.
- d. Identify discrepancies, if any.
- 4. Write and submit a letter of discrepancy.

Performance Standard. Pass a practical exam with a minimum of 80%.

Reference.

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

MMWO-1005 3.0 (*) B

Τ.

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

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

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

Performance Standard. Given a DPR and IM2 report, identify errors with a minimum of 80% accuracy.

Reference.

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

MMWO-1010 2.0 (*) B

 $\underline{\mathsf{I}}$

Goal. Identify the float process.

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

- 1. Define the purpose of the float process.
- 2. Define the purpose of Critical Low Density float process.
- 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.

<u>Performance Standard</u>. Define the float process and provide recommendations for organizational critical Low Density Float assets and required on-hand quantities to the instructor for approval.

Reference.

- 1. MCO 4790.2
- 2. MCO P4400. $\overline{1}$ 50
- 3. FEDLOG

MMWO-1015 2.0 (*) B

Τ.

Goal. Identify major funding lines.

Requirement. Given the references, identify 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).
- 5. Blue Dollars (2F Funds)

Performance Standard. Pass a written exam with a minimum of 80%.

Reference.

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

MMWO-1020 3.0 (*)

В

<u>L</u>

Goal. Identify maintenance funding requirements.

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

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

Performance Standard. Complete the requirement items with a minimum of 80% accuracy and IAW the references.

Reference.

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

MMWO-1025 2.0 (*)

В

L

Goal. Validate induction of new equipment into service.

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

- 1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
- 2. Validate new equipment is properly placed into service.
 - a. Ensure record jacket was created with proper documentation IAW the reference.
 - b. Ensure initial SL-3 was performed.
 - c. Ensure an initial LTI was performed.
 - d. Verify equipment is added to Major Subordinate Command (MSC) Mechanized Allowance List (MAL).
 - e. Ensure induction of new equipment into calibration cycle as required.

Performance Standard. Pass a practical exam with a minimum of 80%.

Reference.

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

MMWO-1030 2.0 (*) B

L

Goal. Demonstrate the process to phase out obsolete equipment.

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

- 1. Review the POP and applicable references.
- 2. State the purpose of:
 - a. Recoverable Items Report (WIR)
 - b. WIR Online Process Handler program. (WOLPH)
 - c. Material Returns (MTR) program.
- 3. Validate obsolete equipment was disposed of properly by ensuring the following:
 - a. Ensure a final LTI was performed.
 - b. Ensure a final SL-3 was performed.
 - c. Ensure a 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 record jackets 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.

<u>Performance Standard</u>. Complete the practical application and the requirement items. The instructor will validate that the process was completed per the reference.

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

MMWO-1035 2.0 (*) B

1

L

1

Goal. Identify maintenance quality assurance procedures.

 $\underline{\text{Requirement}}$. Given unit MMSOP, desktop procedures, and the reference:

- 1. Identify maintenance QA procedures
- 2. List all the QA areas within your section.
- 3. State the frequency of the QA checks for each area.
- 4. Identify the local quality assurance checklists for PEIs.
- 5. Deadline criteria for Preliminary Equipment Index (PEI)
- 6. Identify The frequency of QA checks.

<u>Performance Standard</u>. Demonstrate an understanding of maintenance quality assurance procedures IAW the reference.

Reference, MCO P4790.2

MMWO-1040 16.0 (*) B

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Goal. Conduct an inspection of maintenance functional areas.

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

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

<u>Performance Standard</u>. Pass a practical exam with a minimum of 80%. Each area must be inspected to ensure trainee understands the specifics of each.

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Reference.
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MCO 4790.2

MCO P4400.82

MCO P4400.160B

MCO P4400.150

MCO 4855.10

MCO 4790.18

MCO 4733.1

MCO $4450.1\overline{2}$

MCO 4400.16

MCO 4105.2

UM-PLMS W CH 1-2

NAVMC DIR 5100.8

NAVMC 2761 DTD 1 JUN 08

MCO P5215.17

MCO P5102.1_

MCO P5090.2

MCO 5104.2

MCO 5104.1_,

MCO 5100.8

MCO 5100.29 MCO 3000.11 M MCO 3710.6

MCO 1553.3 (PRELIM)

MCO 3500.14

MMWO-1045 2.0 (*) B

L

<u>Goal</u>. Demonstrate an understanding of the Total Force Structure Management System (TFSMS).

Requirement. Given access to TFSMS, complete the following:

- 1. View and interpret information on structure and equipment.
- 2. Create structure and equipment reports.
- 3. State the reason for submitting a Table of Organization and Equipment Change Request (T/OECR).
- 4. Demonstrate how to manipulate structure and equipment data using electronic TOECRs.

Performance Standard. Complete the Total Force Structure
Management Systems (MC TFSMS) online training located on the TFMS
website, https://tfsms.mccdc.usmc.mil

Reference.

- 1. URL https://tfsms.mccdc.usmc.mil
- 2. MCO 5311.1_

MMWO-1050 1.0 (*) B

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Goal. Identify the frequency request process.

<u>Requirement</u>. Given the references and a scenario with operational requirements, submit a frequency request.

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

<u>Performance Standard</u>. Submit completed request forms to the Instructor for final approval.

Reference.

- 1. MCRP 3-40
- 2. MCO $2400.\overline{2}$

MMWO-1055 2.0 (*)

L

 $\underline{\text{Goal}}$. Submit a request for equipment using the Marine Corps Urgent Needs Process (MCUNP).

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

- 1. State the purpose of the MCUNP.
- 2. State the purpose of the urgent UNS.
- 3. Describe the process of completing a Urgent UNS form.
- 4. Complete the Urgent UNS form to support the requirement.

Performance Standard. Pass a written exam with a minimum of 80%.

Reference.

- 1. NAVMC 11475
- 2. MCO 3900.17

MMWO-1060 2.0 (*) B

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

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

- 1. Identify the purpose and major sections of the 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 an EKMS Callout.

Performance Standard. Pass a written exam with a minimum of 80%.

Reference. MCWP 5-1

MMWO-1065 1.0 (*) B

 $\underline{\underline{Goal}}$. Identify the MACCS equivalent agencies provided by other services.

Requirement. Given the references, identify the major C2 agencies and functions for the following:

- Theater Air Ground System (TAGS)
- 2. Navy Tactical Air Control System (NTACS)
- 3. Theater Air Control System (TACS)
- 4. Army Air Ground System (AAGS)

Performance Standard. Pass a written exam with a minimum of 80%.

Reference.

- 1. MCRP 3-22.2
- 2. MCRP 3-25
- 3. MCRP 3-25B
- 4. MCRP 3-25E
- 5. MCRP 3-25G
- 6. MCRP 3-25H 7. MCWP 3-25.3
- 7. 110MI 3 23.3

MMWO-1070 2.0 (*) B

Goal. Identify the maintenance and service support sections within the Marine Logistics Group (MLG).

Requirement. Given the references, 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

Performance Standard. Pass a written exam with a minimum of 80%.

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

MMWO-1075 2.0 (*)

Goal. Identify all the MACCS Maintenance 59xx MOS duties.

Requirement: Identify the duties of each 59xx MOS listed below:

- 5902 1.
- 5910 2.
- 5939 3.
- 4. 5942
- 5. 5948
- 6., 5950 7. 5952
- 8. 5953
- 5954 9.
- 10. 5959
- 5970 11.
- 12. 5974
- 13. 5979
- 14. 5993

Performance Standard. Pass a written exam with a minimum of 80%.

Reference. MOS Manual, MOS Road Maps

MMWO-1080 12.0 (*) B

Goal. Identify the mission, headquarters and TACC sections, and major systems of the Marine Tactical Air Command Squadron (MTACS). Requirement. Given the references, identify the following to include stating the mission, capabilities and limitations of the major systems and concept of employment of organizational units listed below:

- 1. Mission
- 2. Headquarters Sections
 - a. S1
 - b. S2
 - c. S3
 - d. 54
 - e. S6
- 3. TACC sections and crew composition (maintenance and operations)
- 4. Major Systems and Subsystems
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/TYY-2 Theater Battle Management Core Systems (TBMCS)
 - c. AN/TYQ-101A Communication Data Links System (CDLS)
 - d. AN/URC-107 (V)10 Joint Tactical Information Distribution System (JTIDS)
 - e. AN/USC-55A Commanders Tactical Terminal (CTT)
 - f. Link Management System Multi TDL (LMS-MT)
 - g. Intelligence Operations Workstation (IOW)
 - h. Intelligence Operations Server (IOS)
 - i. Advance Field Artillery Tactical Data System (AFATDS)
 - j. AN/TSQ-239 V2 Combat Operations Center (COC)
 - k. Common Connectivity Device (CCD)
 - Joint Automated Deep Operations Coordination System (JADOCS)

<u>Performance Standard</u>. Without the aid of reference, pass a written exam with a minimum of 80%.

Reference.

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

MMWO-1085 12.0 (*)

В

L

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Control Squadron (MACS).

Requirement. Given the references, identify the following to include stating the mission, capabilities and limitations of the major systems and concept of employment of organizational units listed below:

- 1. Mission
- 2. Organizational Units
 - a. HQ
 - (1) S1
 - (2) S2
 - (3) S3
 - (4) S4
 - (5) S6
 - (a) Communications Maintenance
 - (b) Operations Communications

- b. Tactical Air Operations Center (TAOC)
 - (1) S3
 - (2) S6
 - (a) Radar
 - (b) Tactical Data Systems Maintenance (TDSM)
 - (3) TAOC sections and crew composition (maintenance and operations)
- c. Early Warning and Control (EWC)
 - (1) 53
 - (2) Communication Electronics Maintenance Officer
 - (a) Radar
 - (b) Tactical Data Systems (TDS)
 - (3) EW/C sections and crew composition (maintenance and operations)
- d. Marine Air Traffic Control Detachments (MATCD) describe sections and crew composition (maintenance and operations) for each.
 - (1) Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS) MATCD
 - (2) Marine Air Traffic Control All-Weather Landing System (MATCALS) MATCD
 - (3) Tower/Tacan Detachment
 - (4) MATC Mobile Team (MMT)
- 3. Major Systems Major Systems and Subsystems
 - a. AN/TPS-59 Long Range Radar
 - b. AN/TPS-63 Medium Range Radar
 - c. AN/TYQ-23 Tactical Air Operations Module (TAOM)
 - d. AN/MSQ-124 Air Defense Communication Platform (ADCP)
 - e. AN/TYO-87 Sector Anti Air Warfare Facility (SAAWF)
 - f. AN/TSQ-239 V4 Combat Operations Center (COC)
 - g. AN/USC-55A
 - h. AN/TPN-31A Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS)
 - i. AN/TSQ-131 (CCS)
 - j. AN/TPN-73 Air Surveillance Radar (ASR)
 - k. AN/TPN-22 Precision Approach Radar (PAR)
 - 1. AN/TSQ-120B Tower
 - m. AN/TRN-44A Tactical Air Navigation (TACAN)
 - n. AN/TSQ-216 Remote Landing Site Tower (RLST)
 - o. AN/TRN-47 Tactical Air Navigation (TACAN)

<u>Performance Standard</u>. With the aid of reference, pass a written exam with a minimum of 80%.

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.6
- 3. MCWP 3-25.7
- 4. MCWP 3-25.8
- 5. Approved Core METL applicable to the unit
- 6. TM 10498B-OD TAOM Operations Maintenance Manual
- 7. UM 2005
- 8. TM 07736C
- 9. TM 07751B
- 10. TM 10200A-OI/1
- 11. TM 10446B-OI

12. TM 10389-12 CTT

13. TM 10389-30 CTT

MMWO-1090 12.0 (*)

В

Τ.

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Support Squadron (MASS).

Requirement. Given the references, identify the following to include stating the mission, capabilities and limitations of the major systems and concept of employment of organizational units listed below:

- 1. Mission
- 2. Organizational Units
 - a. HQ
 - (1) S1
 - (2) S2
 - (3) S3
 - (4) S4
 - b. Communication Electronics
 - c. Direct Air Support Center (DASC) describe sections and crew composition (maintenance and operations) for each.
 - d. DASC(Airborne) describe sections and crew composition (maintenance and operations) for each
 - e. Air Support Element (ASE) describe sections and crew composition (maintenance and operations) for each
 - f. Air Support Liaison Teams (ASLT) describe crew composition.
- 3. Major Systems and Subsystems
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/MRC-148 Radio Sets
 - c. AN/MRC-145 Radio Sets
 - d. AN/UYQ-3B Direct Air Support Central Air Support System (DASCAS)
 - e. AN/TSQ-239 V4 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, pass a written exam with a minimum of 80%.

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.5
- 3. Approved Core METL applicable to the unit

MMWO-1095 8.0 (*)

В

L

 $\underline{\operatorname{Goal}}$. Identify the embarkation procedures and restraints for $\underline{\operatorname{MACCS}}$ systems.

Requirement. Given the reference:

- 1. List the HAZMAT requirements.
- 2. List the security requirements.
- 3. List the MHE requirements.
- 4. List the equipment specific transportation requirements.

5. Identify MAGTF Deployment Support System II (MDSS II) elements.

<u>Performance Standard</u>. With the aid of reference, pass a written exam with a minimum of 80%.

Reference.

- 1. MCO 4030.33
- 2. MCRP 4-11
- 3. MMO SOP
- 4. Agency-specific embarkation checklist

MMWO-1100 1.0 (*)

В

L

Goal. Identify 5900 staff actions

Requirement. Given the reference, explain staff actions a 5900 warrant officer will perform while assigned to a MTACS.

- 1. Maintenance management related correspondence.
- 3. Maintenance management systems and processes.
- 2. Equipment Status maintenance and reporting requirements.
- 4. Equipment capabilities and limitations
- 5. Deployment and employment considerations and advisement.

<u>Performance Standard</u>. Without the aid of reference, pass a written exam with a minimum of 80%.

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.4
- 3. MCO 4790.2
- 4. MCO P4400. $\overline{150}$

MMWO-1105 4.0 (*)

В

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Goal. Identify MACCS Data Links

 $\underline{\text{Requirement}}$. Given the reference, explain the following for MACCS data links:

- 1. List all the MACCS data links.
- 2. State the purpose, capabilities and limitations of each data link.
- 3. List what MACCS agencies can provide which data links.
- 4. List equipment requirements for each data link.
- 5. Explain how the different data links are used to integrate with the MACCS and other external agencies

<u>Performance Standard</u>. With the aid of reference, pass a written exam with a minimum of 80%.

Reference.

- 1. MCWP 3-25C
- 2. CJCSM 6120.01D

MMWO-1110 4.0 (*)

В

Goal. Identify Tactical Data Network (TDN) requirements.

Requirement. Given the reference, conduct the following for Tactical Data Networks used in the MACCS:

- 1. List all the Tactical Data Networks in the MACCS
- 2. Identify the purpose, capabilities and limitations for each
- 3. List the requirement equipment for each.
- 4. State the Bandwidth requirements for each.
- 5. Describe the IP Schemes for each.
- 6. Explain the planning requirements specific to each.

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

Reference.

- 1. MCWP 3-25C
- 2. CJCSM 6120.01D

MMWO-1115 2.0 (*)

В

Goal. Identify purpose and mission of Information Assurance (IA)

Requirement. Given the reference, state the purpose and mission of Information Assurance as it applies to the MACCS.

- 1. List Accreditation packages
- 2. List Certifications for system administrators
- 3. Explain the purpose and requirement to obtain Equipment Authority to Operate
- 4. Explain configuration management and its relationship to IA

Performance Standard. Without the aid of reference, pass a written exam with a minimum of 80%.

Reference.

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

MMWO-1120 4.0 (*)

Goal. Draw an Overview (OV) chart of the MACCS concept of employment.

Requirement. Given the references, draw an OV chart depicting how a notional MACCS could be employed. Include all the MACCS agencies and how they are employed in the battle area to include:

- 1. Major Systems
- 2. Agencies
- 3. Interoperability and lines of communications

- (a) Data links (TDL)
- (b) Voice comm
- (c) Data comm
- (d) Networks
- 4. Submit the OV chart to the instructor for review.
- 5. Develop and submit a brief on the OV chart.

<u>Performance Standard</u>. Draw the OV chart and submit it to the instructor who will review for correctness. Provide a brief to the instructor and the maintenance chief/maintenance officer. The instructor will ensure the brief and the OV chart covers all MACCS agencies and major systems (to include UAS and MWCS). Communications architecture should be IAW the reference.

Reference.

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

MMWO-1125 2.0 (*)

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Goal. Understand Training and Readiness Processes.

Requirement. Conduct the following:

- State the purpose and use of the Defense Readiness Reporting System (DRRS).
- 2. Identify the key training information required to assist the commanding officer in reporting DRRS status.
- 3. State the purpose and use of the AIRS checklist.
- 4. State the process for conducting an internal AIRS Inspection.
- 5. Explain the purpose of Course Content Review Boards (CCRB) and the approval processes.
- 6. Explain the process to obtain a class seat to attend a Skills Enhancement Course.
- 7. Explain the change recommendation process for community T&R Manual.

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

Instructor. MCCES Formal School Instructor, WTI

Prerequisite.

- 1. 5100, 5110
- 2. Complete the System Approach to Training (SAT) MarineNet Course UT01A0, URL https://www.marinenet.usmc.mil/marinenet

Reference

- 1. NAVMC 3500.14
- 2. SAT Manual
- 3. AIRS Website

http://hqinet001.hcmc.usmc.mil/ig/div inspections/AIRS

5. MAWTS-1 C3 Course Catalog, www.intranet.tecom.usmc.mil/sites/mawts1

4.9 CORE SKILL PHASE (2000)

4.9.1 <u>Purpose</u>. To provide the 5970 with the requisite skills and working knowledge relating to the maintenance management, deployment and organizational capabilities of the Marine Air Command and Control System and ancillary equipment that they are required to operate, maintain and employ.

4.9.2 General

4.9.2.1 <u>Prerequisite</u>. Core Skill Introduction training phase must be completed prior to beginning this phase of training.

4.9.2.2 Admin Notes.

- (1) Training in this phase does not preclude simultaneous training in the Mission Skill phase.
- (2) Individual core skills are learned and mastered using a varied combination of written exams, scenarios and practical demonstrations of proficiency.
- 4.9.2.3 <u>Stages</u>. The following stages are included in the Core Skill Phase of training.

PAR NO.	STAGE NAME
4.9.3	COMMUNICATION SECURITY (COMSEC)
4.9.4	FAMILIARIZATION (FAM)
4.9.5	MAINTENANCE MANAGEMENT (MMGT)
4.9.6	OPERATIONS MANAGEMENT (OMGT)
4.9.7	ORGANIZATIONAL STRUCTURE (ORGS)

4.9.3 COMMUNICATIONS SECURITY (COMSEC) STAGE

4.9.3.1 <u>Purpose</u>. To teach the trainee safe handling and storage of classified material, use of common fill devices, crew changeover procedures, and provide familiarization with the EKMS COMSEC callout.

4.9.3.2 General

Prerequisite. Complete MCI 2525B, Communications Security.

Admin Notes. NONE

Crew Requirements: NONE

COMSEC-2600 2.0 (365) B,R,M

Goal. Describe proper handling and storage of classified materials.

Requirement. Conduct 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. State the purpose of using control numbers for classified material.
- 6. State the purpose of the SF-153 and when you would use one.
- 7. Identify transportation requirements for classified material.
- 8. State the sections of the SF-702.
- 9. Identify the approved security containers utilized for storage.
- 10. Identify the procedures for handling Controlled Cryptographic Items (CCIs).

<u>Performance Standard</u>. Without the aid of reference, state the above requirement items without error.

Instructor. BI, SI

Prerequisite. MCI 2525B

Reference

- 1. MCO P5510.18
- 2. EKMS-1
- 3. Local SOP
- 4. SECNAVINST 5510.36

COMSEC-2605 2.0 (365) B,R,M

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. Triple Strand Concertina Wire.
- 5. Entry points of communication lines.
- 6. Submit a physical security diagram.

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

Instructor. BI, SI

Prerequisite. MCI 2525B, 2600

Reference. MCO P5530.14_

COMSEC-2610 2.0 (365) B,R,M

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. MCI 2525B, 2605

Reference

- 1. EKMS-1A 2. COMSEC Callout
- 3. Local unit SOP

COMSEC-2615 2.0 (365) B,R,M

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 four 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. MCI 2525B, 2600

Reference

- 1. EKMS-1A
- 2. COMSEC Callout
- 3. Local SOP

COMSEC-2620 2.0 (365) B,R,M (1) SKL L

> Goal. Utilize Simple Key Loader (SKL) or Data Transfer Device (DTD).

Requirement. Given (2) loaded SKL or DTDs and a zeroized cryptographic device:

- 1. Describe the purpose of SKL.
- 2. Define a SKL loading procedure.
- 3. Configure the SKL.
- 4. Identify SKL indicators and messages.
- Transfer key material to Controlled Cryptographic Item (CCI) equipment.
- 6. Given two (2) Simple Key Loader (SKL) and the reference, transfer cryptographic information from device to device.
- 7. Destroy superseded keying material within the cryptographic fill device.

<u>Performance Standard</u>. With the aid of reference, load keying material into appropriate COMSEC equipment using a fill device and destroy superseded keying material IAW the references.

Instructor. BI, SI

Prerequisite. MCI 2525B, 2600, 2615

Reference

- 1. EKMS-1A
- 2. COMSEC Callout
- 3. Local SOP

4.9.4 FAMILIARIZATION (FAM) STAGE

4.9.4.1 <u>Purpose</u>. To build the trainee'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.

4.9.4.2 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-2650 3.0 (*) B

<u>Goal</u>. State the purpose and capability of Tactical Data Links.

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

- 1. TADIL A (Link 11A)
 - a. UHF
 - b. HF
- 2. TADIL B (Link 11B)

- 3. TADIL J (Link 16))
 - a. JREAP A
 - b. JREAP B
 - c. JREAP C
 - d. RF
- 4. ATDL-1
- 5. NATO Link 1
- 6. List the types of units that utilize each link.
- 7. Intelligence Broadcast System (IBS)
- 8. CST
- 9. Ground Based Data Link Enhanced (GBDLE)

<u>Performance Standard</u>. With the aid of reference, state the purpose and capability of each data link. Completion of the MACCS Maintenance Managers Course at MCCES satisfies the standard.

Instructor. BI, SI

Reference.

- 1. TM 10498B-OD TAOM Operations Maintenance Manual
- 2. TM I0200A-OI/I ADCP Maintenance Manual
- 3. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

FAM-2655 3.0 (*) B

Τ,

<u>Goal</u>. 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

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
- 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-2660 2.0 (*)

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Goal. State HF, VHF, and UHF frequency spectrums.

Requirement. State the frequency spectrum for:

- 1. HF.
- 2. VHF.
- 3. UHF.

<u>Performance Standard</u>. With the aid of reference, state the frequency spectrum for HF, VHF, and UHF.

Instructor. BI, SI

Reference. MCRP 3-40.3B.

FAM-2665 2.0 (1460)

B,R,M

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Goal. Describe HF, VHF, UHF radio characteristics.

<u>Requirement</u>. Given a list of radio equipment and applicable references, describe the following characteristics for each:

- 1. AN/GRC 171B(V)4
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 2. AN/VRC 104
 - a. Purpose and use of the radio
 - b. Frequency range
 - b. Power output
- 3. AN/VRC 103
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 4. AN/VRC 110
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 5. AN/GRC 242
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output
- 6. AN/GRC 256
 - a. Purpose and use of the radio
 - b. Frequency range
 - c. Power output

<u>Performance Standard</u>. With the aid of reference, state the frequency and power output for all radios listed in the requirement.

<u>Instructor</u>. BI, SI

Reference. MCRP 3-40.3B.

FAM-2670 2.0 (*)

В

L

Goal. Demonstrate an earth ground installation.

Requirement. Given a grounding kit and PPE:

- 1. Install an earth ground using a:
 - a. Grounding rod.
 - b. MK-255IAU Grounding Kit (SWIG).
- 2. Verify proper grounding reading utilizing appropriate test equipment.

Performance Standard. With the aid of reference, install an earth The Instructor shall verify the grounding was successful. ground.

Instructor. BI, SI

Reference. MCRP 3-40.3B

4.9.5 MAINTENANCE MANAGEMENT (MMGT) STAGE

Purpose. To provide the 5970 with the requisite skills and working knowledge relating to maintenance management.

4.9.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements: None

MMGT-2712 2.0 (730) B, R, M

Goal. Identify the float process.

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

- 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. Review documentation provided and identify Low Density Float
- 7. Provide justification for quantity changes for Low Density Items.

Performance Standard. With the aid of references, complete the requirement items IAW the references. Provide justification that supports the documentation provided. Instructor shall ensure the student provides valid justification based on documentation.

Instructor. BI, SI

Reference.

- 1. MCO 4790.2
- 2. MCO P4400. $\overline{1}$ 50
- 3. FEDLOG

MMGT-2724 16.0 (*)

 $\underline{\text{Goal.}}$ Identify the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).

Requirement. Given a scenario and applicable references:

В

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

<u>Performance Standard</u>. Complete the requirement items to support the scenario; instructor will ensure the NAVMC 11355 supports the scenario requirement.

<u>Prerequisite</u>. The requirement can be satisfied by completing the TFSMS Super User Course - instructions on how to obtain MTT training is located on the TFMS website, https://tfsms.mccdc.usmc.mil

Instructor. BI, SI

Reference

- 1. MCO 5311.1
- 2. Unit TO&E

MMGT-2728 16.0 (1460)

B,R,M

L

Goal. Develop a maintenance section budget.

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

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

Performance Standard. With the aid of reference, complete the requirement items. Submit the funding request to the instructor for validation.

Instructor. BI, SI

Prerequisite. 2752

Reference

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

MMGT-2730 20.0 (1460)

_____B,R,M

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)/Government Furnished Equipment (GFE) 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. 2752

Reference

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

MMGT-2740 1.0 (*) B

Goal. Ensure classified and CCI material handling procedures are implemented.

Requirement. Given the references:

- 1. Verify classified material is stored in GSA approved container.
- 2. Verify proper and timely destruction of superseded segments.
- 3. Verify SF-702s are properly completed.
- 4. Verify classified material is transported properly.
- 5. Write and submit a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, ensure classified and CCI material handling procedures are being implemented by completing the requirement items. Submit the discrepancy report to the instructor for validation.

Instructor. BI, SI

Reference

- 1. EKMS-1A series
- 2. SECNAV M-5510.36
- 3. MCO 5510.18

MMGT-2746 4.0 (365)

B,R,M

Τ.

Goal. Prepare and present a command level brief

Requirement. Given an OPORD and commander's intent

- 1. Prepare a brief that contains at minimum the following:
 - a. State the OPORD mission
 - b. Maintenance implied tasks extracted from the OPORD
 - c. Brief essential communications mission items, to include at minimum:
 - (1) Communications architecture
 - (2) TDL architecture
 - (3) Accreditation Package
 - (4) TBMCS architecture
 - d. List equipment requirements to support mission
 - e. Define crew composition and management based on T&R CMMR
 - f. Define the maintenance training plan per T&R requirements
 - g. State the movement plan for deployment
 - h. Embarkation
 - i. Emplacement
 - j. Setup
 - k. Retrograde draft plan
 - 1. State maintenance sustainment plan
 - m. State supply support required
 - n. State logistical support required
 - o. Issues of concern
 - p. Way Ahead
- 2. Present the brief

<u>Performance Standard</u>. With the aid of reference, prepare the brief and present it in a confident and focused manner to the instructor and the maintenance officer. The instructor will ensure the brief contains the requirement items and that the overall planning supports the mission in the OPORD.

Instructor. BI, SI

Reference

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

MMGT-2750 2.0 (1460)

B,R,M

<u>Goal</u>. Ensure Quality Control (QC) procedures are being performed correctly for organic unit systems.

Requirement. Given the references and TACC equipment records, ensure QC procedures are being performed by:

- 1. Identify maintenance QC procedures
- 2. State the frequency of the QC checks for each area.
- 3. Supervise 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 MIMMS forms are used during maintenance cycle
- 4. Ensure NAVMC-1018 form was completed and verified.
- 5. Write a report identifying discrepancies.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items and ensure QC procedures are being performed.

Instructor. BI, SI

Reference

- 1. MCO P4790.2
- 2. MMO SOP
- 3. Appplicable TM

MMGT-2752 2.0 (1460) B,R,M

1

Goal. Assess maintenance funding requirements.

Requirement. Utilizing a simulated budget spreadsheet and forecasting anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

- 1. Identify and prioritize funding requirements.
- 2. Review the maintenance funding requests for prior year requirements and utilization.
- 3. Provide an anticipated maintenance funding request based on the unit's Training Exercise and Employment Plan (TEEP).
- 4. Submit the funding requests to the instructor for validation.

<u>Performance Standard.</u> Complete the requirement items IAW the references. Trainee will submit the funding request to the instructor who will ensure it supports unit and TEEP requirements.

Instructor. BI, SI

Reference.

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

MMGT-2754 2.0 (*)

В

L

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

Requirement. Given the reference, complete the following:

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

Performance Standard. Submit to the evaluator the correctly formatted UURI authorization letter that identifies required quantities of all UURI IAW the reference.

Instructor. BI, SI

Prerequisite. 2730

Reference.

- 1. MCO P4790.2
- 2. Applicable end item SL-3
- 3. SecNavInst 5216.2
- 4. Unit MMSOP
- 5. MCO P4400.150 PG 2-22

MMGT-2756 2.0 (*) B

Goal. Explain Recoverable Items Report (WIR) procedures.

Requirement. Given the reference and a secondary repairable item or a scenario, conduct the following:

- 1. State the purpose of the WIR.
- 2. State the criteria under which an item should be processed for
- 3. State the information required to submit a WIR request.
- 4. State the submission procedures for a WIR request.

Performance Standard. Correctly state the items in the requirement without error and IAW the reference.

Instructor. BI, SI

Reference

- 1. MCO P4790.2
- 2. UM-4400

MMGT-2758 2.0 (*) B

Goal. Submit a maintenance cycle time extension letter.

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

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

<u>Performance Standard</u>. Submit to the evaluator a correctly formatted maintenance cycle time extension letter that provides justification to exceed maximum maintenance cycle time IAW the reference.

Instructor. BI, SI

Reference.

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

MMGT-2760 2.0 (*)

В...

L

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

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

- 1. Purpose of the PQDR.
- 2. Criteria under which a PQDR should be submitted.
- 3. Information required to submit a PQDR.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items without error.

Instructor. BI, SI

Reference

- 1. MCO P4790.2_
- 2. UM-4400
- 3. Unit MMSOP

4.9.6 OPERATIONS MANAGEMENT (OMGT) STAGE

4.9.6.1 <u>Purpose</u>. To provide the 5970 with the requisite skills and working knowledge relating to the deployment and employment of equipment. This stage emphasizes the effective use of logistics, manpower and equipment capabilities.

4.9.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements: None

OMGT-2800 4.0 (365) B,R,M

<u>Goal</u>. Understand unit doctrinal nets and radio connectivity diagrams.

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

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

<u>Performance Standard</u>. Without the aid of reference, pass an exam with 80% accuracy and draw a radio connectivity diagram.

Instructor. BI, SI

Reference

- 1. MCRP 3-40.3B
- 2. MWCP 3-25.5
- 3. MWCP 3-25.7
- 4. MWCP 3-25.4

OMGT-2802 2.0 (*)

В

т.

<u>Goal</u>. Identify the purpose of key planning documents.

Requirement. Identify the purpose of the following:

- 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. System Security Authorization Agreement
- 7. Site Diagram.
- 8. Operational Tasking Data Link (OPTASKLINK)

<u>Performance Standard</u>. Without the aid of reference, pass a written exam with 80% accuracy. Completion of the MACCS Aviation Communication System Managers at MCCES satisfies the standard.

Instructor. BI, SI

Reference. MCWP 5-1

OMGT-2804 2.0 (*) B

Goal. Identify the purpose of key planning documents.

Requirement. Identify the purpose of the following:

- 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. System Security Authorization Agreement
- 7. Site Diagram.
- 8. Operational Tasking Data Link (OPTASKLINK)

Performance Standard. Without the aid of reference, pass a written exam with 80% accuracy. Completion of the MACCS Aviation Communication System Managers at MCCES satisfies the standard.

Instructor. BI, SI

Reference. MCWP 5-1

OMGT-2806 2.0 (365)

B,R,M

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. TMDE.
- 3. Tools.
- 4. Utilities support equipment.
- 5. Supply support items.
- 6. Logistics/movement support items.

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. 2800

Reference. MCWP 3-25

OMGT-2812 8.0 (730) B,R,M

Goal. Design a site layout.

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

- 1. Conduct a site survey.
- 2. Determine a primary and secondary site location.
- 3. Analyze terrain to:

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

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

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

Instructor. BI, SI

Prerequisite. 2806, 2830

Reference.

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

20. MCO 5104.3

OMGT-2814 2.0 (730)

B,R,M

Τ.

Goal. Develop an embarkation plan.

Requirement. Given the references and a deployment order

- 1. State the purpose of an embarkation plan.
- 2. Prepare a deployment and retrograde plan.
- 3. Identify operational asset requirements
- 4. Produce an equipment density list (EDL) that lists the necessary equipment to support the specified mission.
- 5. Identify heavy equipment required to move EDL items.
- 6. Identify the modes of transportation required to move EDL items.
- 7. Identify personnel logistics support requirements.
- 8. Identify pre and/or post deployment inspections checklists.
- 9. Identify MAGTF Deployment Support System II (MDSS II) elements.
- 10. Develop the embarkation plan and submit it to the instructor for validation.

<u>Performance Standard</u>. Complete the requirement items IAW the references and develop an embarkation plan to support the mission. Instructor will ensure all essential information is provided in the embarkation plan and that it supports the deployment order.

Instructor. BI, SI

Prerequisite. 2730, 2806, 2846, 2830, 2812

Reference.

- 1. MCO 4030.33
- 2. MCRP 4-11
- 3. MMO SOP
- 4. Agency-specific embarkation checklist

OMGT-2816 2.0 (730)

B, R, M

L

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

Requirement. Given a deployment scenario, Training Exercise Employment Plan (TEEP) documents and required references, validate 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 for the length of the exercise
- 4. Validate the content to ensure it meets the requirement.

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

Instructor. BI, SI

Prerequisite. 2806

Reference. MCO P4400.150

OMGT-2818 25.0 (*)

Goal. Familiarization of acquisition management.

В

Requirement. Complete the subject course and become familiar with:

- 1. DoD systems acquisition process.
- 2. All phases of acquisition.
- The Joint Capabilities Integration and Development Systems (JCIDS).
- 4. The planning, programming, budgeting, and execution process.
- 5. DoD 5000-series policy documents.
- 6. Current issues in systems acquisition management.

Performance Standard. Complete the ACO 101 Fundamentals of Systems Acquisition Management Course online at DAU website.

Instructor. BI, SI

Prerequisite. Per course syllabus requirements. Course is designed for those with little or no experience in DoD acquisition management.

OMGT-2820 24.0 (*) B

L

Goal. Familiarization with the fundamentals of acquisition logistics

Requirement. Complete the subject course and become familiar with:

- 1. An overview of the role of acquisition logistics in the systems acquisition life cycle and systems engineering processes.
- Logistics-relevant aspects of:
 - a. Requirements identification
 - b. Life-cycle costing
 - c. Integrated product and process development
 - d. Sustainment logistics
 - e. Supportability analysis
 - f. Product support
 - g. Contracting and contractor support.

Performance Standard. 2818, Complete the LOG 101 Acquisition Logistics Fundamentals online at DAU website.

Instructor. BI, SI

Prerequisite. Per course syllabus requirements.

OMGT-2830 8.0 (1460) B,R,M

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.

<u>Performance Standard</u>. 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.

<u>Instructor</u>. BI, SI

Prerequisite. 2730, 2806

Reference

- 1. MCDP 6
- 2. MCWP 3-25.4
- 3. MCWP 5-1
- 4. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM 10209A-14&P Equipment Description
- 5. Meshnet Ethernet Unit (MEU 1-2) TECH MANUAL 762326, Equipment Description
- 6. Network Access Unit (NAU 5-1) TECH MANUAL 762324 Equipment Description
- 7. User Control Device (UCD 1-4) TECH MANUAL 762325

- 8. System Description and Overview Communications Distribution System TECH MANUAL 762323
- 9. IEEE C95.1-1991
- 10. NAVSHIPS 0967-317-7010
- 11. TM 9406-15
- 12. DODINST 6055.11
- 13. BUMED 6470.23
- 14. OPNAVINST 5100.23 Series
- 15. NAVSEA OP 3565 / NAVAIR 16-1-529 / NAVELEX 0967-LP-624-6010 / Volume II
- 16. Navy Safety Center
- 17. MCO 5100.29A W/CH 1
- 18. MCO 5104.2
- 19. MCO 5104.3A

OMGT-2834 3.0 (*) B,R,M

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
- Identify float requirements and deficiencies.
- Identify Intelligence Information, Command and Control Equipment and Enhancement (ICE2) requirements.
- Identify and validate bill of material (BOM) requirements.
 - a. Validate the content to ensure it meets sustained operational requirements.
 - b. List all discrepancies with recommended corrective action.
 - c. Submit the BOM with adjustments and justification to the instructor for validation.

Performance Standard. With the aid of reference, write supply, float, BOM and ICE2 lists that support the given mission. Instructor will review the resulting lists/documentation to ensure they support the mission requirements.

Instructor. BI, SI

Prerequisite. 2806

Reference. MCWP 3-25

OMGT-2842 4.0 (365)

B,R,M

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 PEI.
- 3. Determine total power requirements to support all PEIs listed.
- 4. List the capabilities of MACCS organic generators:
 - a. MEP 803A.
 - b. MEP 805A/B.
 - c. MEP 806A/B.
 - d. MEP 816

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. 2806

Reference. Refer to equipment applicable TMs.

OMGT-2844 1.0 (*)

B <u>L</u>

Goal. Submit a frequency request.

Requirement. Given the reference and a scenario with operational requirements and references:

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

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

Instructor. BI, SI

Prerequisite. 2806,

Reference

- 1. MCRP 3-40B
- 2. MCO 2400.2

OMGT-2846 1.0 (*) B

Goal. Identify Logistics Support Requirements.

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

<u>Performance Standard</u>. With the aid of reference, state to the instructor the required items.

Instructor. BI, SI

Prerequisite. 2806

Reference. MCO P4790.2

4.9.7 ORGANIZATIONAL STRUCTURE (ORGS) STAGE

4.9.7.1 <u>Purpose.</u> To provide the 5970 with the requisite skills and working knowledge relating to the organizational capabilities of adjacent and higher agencies. This stage provides general information on the mission, concept of employment, organization and equipment of the MAW and supporting agencies.

4.9.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements: None

ORGS-2900 4.0 (*) B,R,M

<u>L</u>

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Control Squadron (MACS).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment.
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections, to include:
 - (1) Communications Maintenance
 - (2) Operations Communications
 - b. Tactical Air Operations Center (TAOC)
 - (1) S3
 - (2) S6
 - (a) Radar
 - (b) Tactical Data Systems Maintenance (TDSM)
 - (3) TAOC sections and crew composition (maintenance and operations)
 - c. Early Warning and Control (EWC)
 - (1) S3
 - (2) Communication Electronics Maintenance Officer
 - (a) Radar
 - (b) Tactical Data Systems (TDS)

- (3) EW/C sections and crew composition (maintenance and operations)
- d. Marine Air Traffic Control Detachments (MATCD) Describe sections and crew composition (maintenance and operations) for each.
 - (1) Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS) MATCD
 - (2) Marine Air Traffic Control All-Weather Landing System (MATCALS) MATCD
 - (3) Tower/TACAN Detachment
 - (4) MATC Mobile Team (MMT)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/TPS-59 Long Range Radar
 - b. AN/TPS-63 Medium Range Radar
 - c. AN/TYQ-23 Tactical Air Operations Module (TAOM)
 - d. AN/MSQ-124 Air Defense Communication Platform (ADCP)
 - e. AN/TYQ-87 Sector Anti Air Warfare Facility (SAAWF)
 - f. AN/TSQ-239 V4 Combat Operations Center (COC)
 - g. AN/USC-55A
 - h. AN/TPN-31A Air Traffic Navigation, Integration, and Coordination Systems (ATNAVICS)
 - i. AN/TSQ-131 (CCS)
 - j. AN/TPN-73 Air Surveillance Radar (ASR)
 - k. AN/TPN-22 Precision Approach Radar (PAR)
 - 1. AN/TSQ-120B Tower
 - m. AN/TRN-44A Tactical Air Navigation (TACAN)
 - n. AN/TSQ-216 Remote Landing Site Tower (RLST)
 - o. AN/TRN-47 Tactical Air Navigation (TACAN)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating the required information correctly in written or verbal form; instructor's choice. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8004, 8005

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.6
- 3. MCWP 3-25.7
- 4. MCWP 3-25.8
- 5. Approved Core METL applicable to the unit
- 6. TM 10498B-OD TAOM Operations Maintenance Manual
- 7. UM 2005
- 8. TM 07736C
- 9. TM 07751B
- 10. TM 10200A-OI/1
- 11. TM 10446B-OI
- 12. TM 10389-12 CTT
- 13. TM 10389-30 CTT

ORGS-2905 2.0 (*) B,R,M

 $\underline{\mathbf{L}}$

<u>Goal</u>. Identify the mission, organizational units, and major systems of the air traffic control units aboard Marine Corps air stations and facilities.

Requirement. Given the references, state or identify the below
listed requirement items:

- Identify the location of all Marine Corps Air Stations (MCAS) and facilities
- 2. State the mission of the air traffic unit
- 3. Identify the organizational sections and the function of each
 - a. Headquarters sections
 - b. Communications
 - c. Radar
 - d. Navigational Aids (NAVAIDS)
 - e. Weather
- 4. Major systems and subsystems and state the capabilities and limitations of each.

Marine Corps Air Stations (MCAS) typically have the following equipment (but not always all the equipment on this list):

- a. ETVS: AN/FSC-127, Enhanced Terminal Voice Switch
- b. ASR: Airport Surveillance Radar
- c. PAR: AN/FPN-63, Precision Approach Radar
- d. TACAN: AN/URN-25 or AN/URN-32, Tactical Air Navigation System $\,$
- e. STARS: AN/FSQ-204, Standard Terminal Automation Replacement System
 - f. VISCOM: Visual Communications
 - g. BRITE: Bright Radar Indicator Tower Equipment
 - h. AN/GRC-211: VHF Radio set
 - i. AN/GRC-171: UHF Radio Set
 - j. CM-200: VHF/UHF TX or RX Set
 - k. ASOS: Automated Surface Observing Systems
 - 1. ILS: Instrument Landing System

Marine Air Control Squadron (MACS) Air Traffic Control Detachments typically have equipment from the following list, but usually not all:

- a. ATNAVICS: AN/TPN-31A, Air Traffic Navigation, Integration, and Coordination System
- b. CCS: AN/TSQ-131, Communication and Control Subsystem
- c. RLST: AN/TSQ-216, Remote Landing Site Tower
- d. AN/TSQ-120B: Air Traffic Control Central
- e. AN/GRC-211: VHF Radio set
- f. AN/GRC-171: UHF Radio Set
- g. AN/URC-94: HF/LVHF Radio Set
- h. AN/ARC-210: HF/VHF/UHF/SATCOM Radio Interface
- i. XTS-5000: Digital Portable Radio Set
- j. RT-1796: Radio Set
- k. RT-1694: Radio Set

- 1. TACAN: AN/TRN-44A, Tactical Air Navigation System,
- m. MAN PORTABLE TACAN: AN/TRN-47, Tactical Air Navigation (TACAN) Set
- n. ASR: AN/TPS-73, Airport Surveillance Radar
- o. PAR: AN/TPN-22, Precision Approach Radar

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI

Reference.

- 1. AN/FPN-63 (NAVELEX EE216-LA-MMD-010/FPN-63)
- 2. AN/GPN-27 (NAVELEX 0967-LP-639-9011)
- 3. AN/GPN-30 DASR (FAA TI6310.57)
- 4. AN/FSQ-204 STARS (FAA TI6191.400)
- 5. AN/FYC-22A VISUAL INFORMATION DISPLAY SYSTEM (VIDS): NAVAIR 16-60FYC22A-1
- 6. AN/FYC-22B VISUAL INFORMATION DISPLAY SYSTEM (VIDS): NAVAIR 16-60FYC22B-1
- 7. AN/TPN-22 PAR (EE216-BA-SOM-01B)
- 8. AN/TPS-73 ASR (EE200-AB-MAN-010/AN/TPS-73)
- 9. AN/TPN-31A ATNAVICS (NAVAIR 16-60TPN31A-2)
- 10. AN/TSQ-263(V) TACTICAL TERMINAL CONTROL SYSTEM (TTCS): NAVAIR 16-60TSQ263-1
 - a. TI 6650.53
 - b. AE-VICOM-SYS-000
 - c. NAVAIR 16-60TPN31A-2
 - d. EE005-DM-OMI-010/PD70-TSQ131
 - e. 16-60TSQ216-100/200
- 11. 11. AN/TSO-120B: EE100-UO-OMI-010/TSQ120B
- 12. AN/GRC-211: EE150-BK-OMI-010
- 13. AN/GRC-171: EE150-AS-MMC-010
- 14. AN/URC-94: EE111-AF-OMP-010
- 15. AN/ARC-210: Radio Receiver-Transmitter RT-1794 523-0778328
 - a. XTS-5000: Commercial TM 6881094C25
 - b. RT-1796: Harris Manual 10515-0109-4100
 - c. RT-1694: Harris Manual 10515-0103-4100
 - d. CM-200: TI 6610.15A/ TI 6620.7A
 - e. TM: EE172-GA-OMI-010/TRN-44A
 - f. 16-30TRN47-1

ORGS-2910 2.0 (*) B,R,M

L

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Air Support Squadron (MASS).

 $\underline{\text{Requirement}}$. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections

- b. Communication Electronics
- c. Direct Air Support Center (DASC) describe sections and crew composition (maintenance and operations) for each.
- d. DASC(Airborne) describe sections and crew composition (maintenance and operations) for each
- e. Air Support Element (ASE) describe sections and crew composition (maintenance and operations) for each
- f. Air Support Liaison Teams (ASLT) describe crew composition.
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/MRC-148 Radio Sets
 - c. AN/MRC-145 Radio Sets
 - d. AN/UYQ-3B Direct Air Support Central Air Support System (DASCAS)
 - e. AN/TSQ-239 V4 Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by verbally stating the required information correctly. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8003

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.5
- 3. Approved Core METL applicable to the unit

ORGS-2915 2.0 (*) B,R,M

_

 $\underline{\text{Goal}}$. Identify the mission, headquarters and TACC sections, and major systems of the Marine Tactical Air Command Squadron (MTACS).

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters Sections
 - TACC sections and crew composition (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. AN/MRQ-12 Communication Information System (CIS)
 - b. AN/TYY-2 Theater Battle Management Core Systems (TBMCS)
 - c. AN/TYQ-101A Communication Data Links System (CDLS)
 - d. AN/URC-107 (V)10 Joint Tactical Information Distribution System (JTIDS)
 - e. AN/USC-55A Commanders Tactical Terminal (CTT)
 - f. Link Management System Multi TDL (LMS-MT)
 - g. Intelligence Operations Workstation (IOW)
 - h. Intelligence Operations Server (IOS)

- i. Advance Field Artillery Tactical Data System (AFATDS)
- j. AN/TSQ-239 V2 Combat Operations Center (COC)
- k. Common Connectivity Device (CCD)
- 1. Joint Automated Deep Operations Coordination System
 (JADOCS)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating or identifying the required information with a minimum of 80% accuracy. Instructor may provide minor assistance.

<u>Instructor</u>. BI, SI

Prerequisite. 8002

Reference.

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

ORGS-2920 2.0 (*) B,R,M

I

<u>Goal</u>. Identify the missions, organizational units, and major systems of the Low Altitude Air Defense Battalion (LAAD Bn).

 $\underline{\text{Requirement}}$. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment
 - a. Primary
 - b. Secondary
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. HQ Services Battery
 - b. Firing Batteries
 - c. Firing Sections
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. Advanced Man Portable Air Defense System (AMANPADS)
 - b. AN/MRC-148 Radio Set
 - c. AN/MRC-145 Radio Set
 - d. Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating or identifying the required information with a minimum of 80% accuracy. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8006

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-25.10
- 3. MCWP 3-25.10A
- 4. Approved Core METL applicable to the unit

ORGS-2925 2.0 (*) B,R,M

L

 $\underline{\text{Goal}}$. Identify the mission, organizational units, and major systems of the VMU Squadron.

Requirement. Given the references, state or identify the below listed requirement items:

- 1. State the mission and concept of employment
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within).
 - a. Headquarters sections
 - b. Unmanned Aircraft Systems Detachments (UASD)
 - (1) Headquarters Detachment
 - (2) UAS Detachments A, B, C
 - (3) UAS sections and crew composition (maintenance and operations
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. Combat Operations Center (COC)
 - b. Marine Corps Tactical Unmanned Aircraft System (Shadow, RQ-7B)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating or identifying the required information with a minimum of 80% accuracy. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8007

Reference.

- 1. MCRP 5-12D
- 2. MCWP 3-26
- 3. MCWP 3-42.1
- 4. Approved Core METL applicable to the unit

ORGS-2930 2.0 (*) B,R,M

L

<u>Goal</u>. Identify the mission, organizational units, and major systems of the Marine Wing Communications Squadron (MWCS).

 $\underline{\text{Requirement}}$. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment
- 2. Identify the organizational units (state the structure of each unit and the function of the sections within)
 - a. HQ sections
 - b. Detachments A, B, C, sections and crew composition (maintenance and operations)
- 3. Identify the major systems and subsystems and state the capabilities and limitations of each.
 - a. LMST

- b. MRC-148
 - c. MRC-145
 - d. MRC-142
 - e. VSAT
 - f. Phoenix
 - g. TSM
 - h. DDS-R
 - i. DTC
 - j. TDN Gateway
 - k. AN/TRC-170
 - 1. Combat Operations Center (COC)

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating or identifying the required information with a minimum of 80% accuracy. Instructor may provide minor assistance.

Instructor. BI, SI

Prerequisite. 8008

Reference.

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

ORGS-2935 2.0 (*) B,R,M

<u>Goal</u>. Identify the mission and support provided by the Marine Wing Support Squadron (MWSS).

Requirement. Given the references, State or identify the below listed requirement items:

- 1. State the mission and concept of employment
- 2. Identify the functional support areas
 - a. Weather Services
 - b. EAF Services
 - c. Refueling
 - d. Explosive Ordnance Disposal
 - e. Essential Engineer Services
 - f. Motor Transport
 - g. Field Mess Facilities
 - h. Sick-Call and Aviation Medical Functions
 - i. Nuclear Biological and Chemical Defense
 - j. Security and Law Enforcement Services
 - k. Internal airfield communication
 - 1. Airbase Commandant functions

<u>Performance Standard</u>. With the aid of reference, complete each requirement item by stating or identifying the required information with a minimum of 80% accuracy. Instructor may provide minor assistance.

<u>Instructor</u>. BI, SI

Prerequisite. 8028

Reference.

- 1. MCRP 5-12D
- 2. Approved METL applicable to the unit.

ORGS-2945 8.0 (*)

<u>Goal</u>. Identify the mission of Higher Headquarters and supporting establishments.

Requirement. Given the reference, identify the mission, organizational structure and location of each of the following:

- 1. Higher Headquarters
 - a. Marine Air Control Group (MACG)
 - b. Marine Air Group (MAG)
 - c. Marine Aircraft Wing (MAW)
 - d. Marine Expeditionary Forces (MEF)
 - e. Marine Corps Installations (East and West)
 - f. Marine Forces (MARFORCOM, MARFORPAC, MARFORRES)
 - g. Headquarters Marine Corps (APX)
- 2. Supporting Establishments: Explain how each organization supports the MACCS:
 - a. Marine Corps Systems Command (MARCORSYSCOM)
 - (1) Marine Corps Tactical Systems Support Activity (MCTSSA)
 - (2) Program Group 09 Operational Forces Systems (OFS)
 (3) Program Group 11 MAGTF C2, Weapons and Sensors
 - (3) Program Group 11 MAGTF C2, Weapons and Sensors Development and Integration (MC2I)
 - (4) Program (PEO) Land Systems
 - (5) Vendor support for commercial off-the-shelf (COTS) equipment.
 - b. Marine Corps Combat Development Command (MCCDC)
 - c. Training and Education Command (TECOM)
 - (1) Aviation Training Branch (ATB)
 - (2) Marine Corps Communication Electronics School (MCCES)
 - (3) Marine Aviation Training Support Group (MATSG) 21)
 - d. Aviation Program Expeditionary Enablers (APX)
 - e. Marine Corps Logistics Command (MARCORLOGCOM)
 - f. Naval Air Systems Command (NAVAIR) PMA-213 / 205
 - (1) Space and Naval Warfare Systems Command (SPAWARS)
 - (2) Naval Air Warfare Center Aircraft Division (NAWC-AD)
 - g. Logistics Command
 - (1) MCLB Barstow Maintenance Center
 - (2) MCLB Albany item managers
 - (3) Repairable Issue Point (RIP)

<u>Performance Standard</u>. Without the aid of reference, pass a written exam with a minimum of 80% accuracy.

Instructor. BI, SI

Prerequisite. 8063

Reference. MCWP 3-40.1 MAGTF C2

ORGS-2950 4.0 (1460) B,R,M L

<u>Goal</u>. Draw an Overview (OV) chart of the MACCS concept of employment.

Requirement. Given the references, draw an OV chart depicting how a notional MACCS could be employed. Include all the MACCS agencies and how they are employed in the battle area to include:

- 1. Major Systems
- 2. Agencies
- 3. Interoperability and lines of communications
 - (a) Data links (TDL)
 - (b) Voice comm
 - (c) Data comm
 - (d) Networks
- 4. Submit the OV chart to the instructor for review.
- 5. Develop and submit a brief on the OV chart.

<u>Performance Standard</u>. Draw the OV chart and submit it to the instructor who will review for correctness. Provide a brief to the instructor and the maintenance chief/maintenance officer. The instructor will ensure the brief and the OV chart covers all MACCS agencies and major systems (to include UAS and MWCS). Communications architecture should be IAW the reference.

Instructor. BI, SI

<u>Prerequisite</u>. 8001, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945

Reference.

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

4.10 MISSION SKILL PHASE (3000)

4.10.1 <u>Purpose</u>. To provide the 5970 with the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Tactical Air Command Center mission.

4.10.2 General

- $4.10.2.1\,\underline{Prerequisite}$. Complete all events in the Core Skill phase of training.
- 4.10.2.2 Admin Notes. None
- $4.10.2.3 \ \underline{\text{Stages}}$. The following stages are included in the Mission Skill Phase of training.

PAR NO.	STAGE NAME
4.10.3	OPERATIONS MANAGEMENT (OMGT)

4.10.3 OPERATIONS MANAGEMENT (OMGT) STAGE

4.10.3.1 <u>Purpose</u>. To provide the maintenance officer with the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to support the Tactical Air Command Center (TACC) mission.

4.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements: None

OMGT-3200 2.0 (730) B,R,M

L

 $\underline{\text{Goal}}$. Develop a maintenance communications plan to support an $\underline{\text{OPLAN}}$.

Requirement. Given an OPLAN and command guidance, determine maintenance section communications requirements to support.

- 1. Identify mission requirements.
- Determine the communications requirement to support the mission.
- 3. Determine mission essential equipment and write an Equipment Density List.
- 4. Identify maintenance personnel required to support mission requirements.

<u>Performance Standard</u>. With the aid of reference, complete the requirement items; equipment and personnel requirements shall support the OPLAN.

Instructor. SI, WTI

Prerequisite. 2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2950, 3206

Reference

- 1. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM 10209A-14&P Equipment Description
- 2. Meshnet Ethernet Unit (MEU 1-2) TECH MANUAL 762326, Equipment Description
- 3. Network Access Unit (NAU 5-1) TECH MANUAL 762324 Equipment Description
- 4. User Control Device (UCD 1-4) TECH MANUAL 762325
- 5. System Description and Overview Communications Distribution System TECH MANUAL 762323
- 6. Radio Set AN/GRC-171B(V)4 TM-09780A-12/2 & TM-09780A-13&P/1
- 7. RT-1694D(P)(C)/U (AN/VRC 104) TM 10822A-IN

- 8. AN/VRC-103(V)1 Veh Radio Comm TM 11255A-OR/1
- 9. AN/PRC-117F(V)(C) Radio Operation Manual (AN/VRC-103)
- 10. AN/PRC-152 Multiband Handheld Radio (AN/VRC-110) Digital
- 11. HF/SSB Transceiver model RT-9000 (AN/GRC-256) TM 11228A-OI/1

OMGT-3206 40.0 (1460) B,R,M

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. Qualifications
- 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. Pass a practical application with a minimum of 80% accuracy. This event may be accomplished as part of an exercise or operation provided the requirement is fully met.

Instructor. SI, WTI

Prerequisite. 2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812

Reference.

- 1. Planning MCWP 5-1
- 2. MOS Manual
- 3. TM 2000
- 4. MCWP 3-25.4
- 5. CJCSM 6231
- 6. JT PUB Series 6-05

OMGT-3208 5.0 (365) B,R,M

Goal. Perform in a Chemical Biological Radiological Nuclear (CBRN) environment.

Requirement. Perform daily assigned maintenance duties while in a simulated CBRN environment.

- 1. Begin in MOPP-0 and graduate to MOPP-IV over a four hours period.
- 2. Plan personnel rotations while in MOPP gear.

<u>Performance Standard</u>. Complete the requirement items IAW the reference for a period of four hours. The instructor may provide minimal guidance. ORM and safety precautions shall be adhered to.

Instructor. SI, WTI

Prerequisite. Complete annual mask confidence course.

External Syllabus Support. MOPP gear

Reference.

- 1. FM 11-1 NBC Operations
- 2. MCO P3440.4G

OMGT-3218 4.0 (1460)

B, R, M

L

Goal. Understand how to manage a maintenance section.

Requirement. During guided discussions, address the following:

- 1. List operational units and supporting establishments and their missions:
 - a. MACG and subordinate squadrons
 - b. Higher Headquarters up to HQMC
 - c. Supporting establishments
- List the external agencies (including Joint agencies) that traditionally integrate/communicate with the squadron during operations
- List the PEIs for each MACCS agency and state the purpose, capabilities and limitations of each.
- 4. State those PEIs within each agency that function as an integrated system
- 5. State the community core METs and output standards for each.
- 6. State the implied maintenance tasks for each MET.
- Explain the methods used to secure COMSEC items during operations.
- 8. Describe the architectures for:
 - a. MACCS Integration
 - b. Communications
 - c. Data
- 9. List the doctrinal publications and key documents essential to determining mission and T&R requirements
 - a. MCWP
 - b. Concept of Employment
 - c. OPLANs
 - d. Annex K
 - e. TEEP
 - f. Community T&R Manual
- 10. For each publication and document listed above:
 - a. State the purpose
 - b. State the general content

- c. State what pertinent information each provides
- 11. Describe the equipment reconciliation process
 - a. LM2
 - b. Daily Process Report (DPR)
 - c. Daily Transaction Lists (DTL)
 - d. Exceptions Report
- 12. Describe the float process
- 13. Describe the MIMMS process
- 14. Describe the QA process
- 15. Describe the process to change unit T/O and equipment allocation, to include:
 - a. Purpose of a TOECR
 - b. TOECR submission process and forms required
 - c. System used to process (TFSMS).
 - d. Reasons a TOECR would be submitted
- 16. Describe the UNS and UUNS process
- 17. Describe the frequency request process and timelines
- 18. Funding Lines
 - a. O&EM
 - b. Plan and Estimate (PE)
 - c. Requisitions Authority (RA)
 - d. MILCON
- 19. Identify and describe major milestones in the deployment planning process from mission through retrograde
- 20. List and explain the major deployment milestones and their importance, to include:
 - a. Predeployment
 - b. Deployment
 - c. Retrograde
- 21. Explain how a new equipment item is acquired by the Marine Corps and how each step impacts the maintenance section:
 - a. Identifying the requirement
 - b. Appropriating
 - c. Fielding
 - d. Induction
 - e. Disposal
 - f. Sundown

<u>Performance Standard</u>. Without the aid of reference, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure an understanding of each item.

Instructor. SI, WTI

<u>Prerequisite</u>. 2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2746, 2814, 2842, 2830, 3200, 2950, 3206

Reference.

OMGT-3220 8.0 (730) B, R, M

Τ.

<u>Goal</u>. Deploy a maintenance section in support of unit operations.

Requirement. Given a scenario or operational deployment, commanders guidance, and a core competent crew,, deploy the maintenance section:

- 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

<u>Prerequisite</u>. 2746, 2800, 2802, 2806, 2814, 2842, 2830, 2834, 2844, 2846, **2**812, 3200,

Reference

- 1. MCO 3120.6
- 2. Communications-Air Support Center (CASC) Common Shelter AN/TSQ-207 TM 10209A-14&P Equipment Description

4.11 INSTRUCTOR UNDER TRAINING (IUT) SKILL PHASE (5000)

4.11.1 <u>Purpose</u>. The MACCS Maintenance Warrant Officer Course provides in depth instruction in train the trainer concepts (from assessing training requirements to training the event to evaluating and logging the event), detachment level readiness planning and training management, and the administration of the training and readiness program and M-SHARP.

4.11.2 General

- 4.11.2.1 Prerequisite. None
- 4.11.2.2 Admin Notes. None
- 4.11.2.3 <u>Stages</u>. The following stages are included in the Instructor Under Training Skill Phase of training.

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

4.11.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

4.11.3.1 <u>Purpose</u>. To provide the maintenance officer the skills necessary to plan for, instruct, and document individual maintenance training at all phases.

4.11.3.2 General

<u>Prerequisite.</u> The System Approach to Training (SAT) MarineNet Course (UT01A0), URL https://www.marinenet.usmc.mil/marinenet

Admin Notes. None

Crew Requirements: None

IUT-5000 2.0 (*)

В

L

Goal. Introduce principles of instruction.

Requirement.

- 1. Introduce/discuss/demonstrate instruction techniques.
- 2. Introduce/discuss/demonstrate class management techniques
 - a. How to use class resources to communicate with the student.
 - b. How to properly organize the class for effective instruction.
- Introduce/discuss/demonstrate how to prepare for a period of instruction.
 - a. Schedule the class
 - b. Prepare/access the training materials for the class
 - c. Prepare the evaluation form to be used to evaluate the student's event performance, as applicable.

Performance Standard.

Instructor. WTI

Prerequisite. NONE.

Reference. NAVMC 3500.14

IUT-5010 1.0 (*)

В

L

Goal. Understand the structure of an event.

Requirement. Given an existing event containing all event sections:

- 1. State the purpose of a T&R event.
- 2. Describe the structure of a T&R event and explain the purpose and content for each event section.
- Using the given event, explain each section as it pertains to the event.
 - a. Explain the purpose and content of the goal.
 - b. Explain the requirement condition and performance steps for the event and what needs to be done to prepare to instruct the event
 - c. Explain how the event performance standard is measured and

when the event has been completed.

- d. State who can instruct the event.
- e. State the event prerequisite and how to verify that it was
- f. Explain how the external syllabus support requirement will be resourced.
- q. State the references required and how each would be used to train the event.

Performance Standard. During a discussion session, the instructor shall discuss the event content and question the student throughout the training session to ensure understanding.

Instructor. SI, WTI.

Prerequisite. 5000

Reference. NAVMC 3500.14, Ch 6

IUT-5020 2.0 (*) ________B

Goal. Conduct a period of instruction on a T&R event.

Requirement. The IUT under the supervision of an instructor will learn how to conduct a period of instruction on an event selected by the instructor. The event must be one the IUT is current and proficient in. The IUT will be able to:

- 1. State the instructor responsibilities.
- 2. Define the purpose and content of a T&R event per the Aviation T&R Program Manual.
- 3. Prepare to train the event.
 - a. Review a trainee's IPR to identify required training for the event selected.
 - b. Ensure the student has met prerequisites for the event to be trained.
 - c. Develop a student training plan to ensure progression per this Manual.
 - d. Schedule the training event (facilities and students).
 - e. Gather the resources necessary to conduct the training (i.e., instructional materials, references and equipment)
 - f. Prepare an evaluation form for each student to be evaluated.
- Conduct training on the event selected:
 - a. Ensure all training resources are properly staged/equipment if set up properly for training.
 - b. Instruct the student in a thorough manner so as to cover all requirements for the event.
 - c. Ensure continuous, objective assessment of the student's progress during training.
- 5. Asses student performance:
 - a. Assess the student's performance to the performance standard.
 - b. Correct student deficiencies in a timely manner and provide the student feedback.
 - c. Complete the evaluation form on for each student trained.
 - d. Debrief student on the performance and provide corrective action.

6. Route evaluation form as required.

Performance Standard. Complete the requirement items IAW the reference. Instructor shall question the IUT to check for understanding of the BI responsibilities.

Instructor. SI, WTI

Prerequisite. 5000, 5010

Reference. NAVMC 3500.14.

IUT-5100 2.0 (*)

В

Goal. Understand the Aviation Training and Readiness (T&R) Program.

Requirement. Given an existing event containing all event sections:

- 1. State T&R policies as they apply to the community.
- 2. State the purpose and use of the Core Model
 - a. List all essential elements that make up the model
 - b. Define each element.
- 3. Define and explain the purpose for the following:
 - a. Core Skills (How to attain and maintain.)
 - b. Mission Skills (How to attain and maintain.)
 - c. Combat Leadership
 - d. Instructors
 - e. Certification
 - f. Qualification
 - q. Designation
 - h. Core Mission Essential Task List (METL)
 - i. Core Model Minimum Requirements (CMMR)
 - j. Core Model Training Report (CMTR)
 - k. TEEP
 - Individual Performance Record (IPR) 1.
- 4. Understand how to analyze the CMTR to determine training deficiencies and how to achieve CMMR, Chapter 7
- 5. Understand the structure of the T&R community manual to include the unit chapter and individual MOS chapter, Chapter 6
- 6. Explain how to submit changes to the Program manual. Chapter 5
- 7. Explain T&R conference procedures, Chapter 5

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

Instructor. WTI.

Prerequisite. 5000, 5010, 5020, 6320

Reference. NAVMC 3500.14

IUT-5110 2.0 (*) B

Goal. Understand the applicable community T&R program.

Requirement. State or explain the following:

- 1. State the mission and core METL for the community.
- 2. State the standards of each core MET in the core METL
 - a. Personnel
 - b. Equipment
 - c. Training
 - d. External Support
 - e. Output Standard
- 3. State the unit CMMR requirement and how it applies to each crew.
- 4. Explain the training progression model for officers and enlisted as it applies to each position.
- 5. Explain the requirements to achieve:
 - a. Each core skill (CSP)
 - b. Each mission skill (MSP)
 - c. Each certification (if applicable)
 - d. Each qualification
 - e. Each designation:
 - (1) Combat Leadership requirements
 - (2) Instructors
 - (3) Others (if applicable)

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

Instructor. WTI.

Prerequisite. 5000, 5010, 5020, 5100, 6320

Reference

- 1. NAVMC 3500.14
- 2. Applicable community T&R Manual

IUT-5120 2.0 (*) B

Goal. Understand T&R administration.

Requirement. Explain how unit training is administered, to include:

- 1. Scheduling and conducting event training
- 2. Completing an evaluation form
- 3. Recommending and approving qualifications and designations
- 4. Describing the process for documenting training to include
 - a. Eval Forms
 - b. Qualification and Designation Letters
 - c. IPR
 - d. MSHARP

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

Instructor. WTI.

Prerequisite. 5000, 5010, 5020, 5100, 5110, 6320

Reference

- 1. NAVMC 3500.14
- 2. Local WTTP SOP

3. http://msharpsupport.com

<u>IUT-5130</u> 2.0 (*) B <u>L</u>

Goal. Develop a training plan.

<u>Requirement</u>. Given a deployment scenario, determine individual, and crew training needed to meet crew manning requirements by developing a training plan that identifies:

- 1. State the purpose for a short-, mid- and long-term training plan/schedule.
- 2. Identify and schedule T&R training opportunities to achieve requirements.
- 3. Determine instructors required
- 4. Determine equipment required
- 5. Determine external support required
- 6. Write and present a brief to the instructor that shows:
 - a. Crew manning and training requirements.
 - b. Current training status
 - c. Identify the training deficiencies and resource shortfalls
 - d. Explain the training plan to correct the training deficiencies.

<u>Performance Standard</u>. With the aid of reference, write a training plan that addresses all requirement items and meets the scenario. The IUT will brief the plan. The instructor shall question and mentor the trainee throughout the training session to ensure a clear understanding of CMMR requirements.

Instructor. MCCES Formal School Instructor, WTI

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 6320

Reference

- 1. NAVMC 3500.14
- 2. MCRP 3-0A
- 3. TEEP
- 4. http://msharpsupport.com

4.12 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS (6000)

- 4.12.1 <u>Purpose</u>. This phase provides community standardization for maintenance officer and instructor designations. This syllabus does not contain "one time" certification or qualification training.
- 4.12.2 General
- 4.12.2.1 Prerequisite. Per the applicable syllabus.
- 4.12.2.2 Admin Notes.
 - (1) This section enables units to document and track designations.

All syllabus training and administration requirements must be complete prior to being designated. A designation is not effective until all administration is completed.

- (2) The squadron WTI shall review the IPR to ensure all required documentation and administrative actions have been completed prior to staffing designation recommendation for approval.
- (3) Only once the maintenance officer is 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 designation be effective.
- (4) 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 become delinquent, the individual shall update those events.
- 4.12.2.3 <u>Stages</u>. The following stages are included in the RCQD Skill Phase of training.

PAR NO.	STAGE NAME
4.12.3	DESIGNATION (DESG)
4.12.4	SCHOOL CODES (SCHL)

4.12.3 DESIGNATIONS (DESG) STAGE

4.12.3.1 <u>Purpose.</u> To provide for maintenance officer and instructor designations.

4.12.3.2 <u>General</u>

<u>Prērequisite.</u> Completion of applicable Core, Mission, and Instructor Stage evetns.

Admin Notes. Instructor training is conducted at the MACCSWO Course, MCCES.

Crew Requirements: Per the applicable events.

DESG-6320

Goal. Designation as a Basic Instructor.

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

Prerequisite. 5000, 5010, 5020.

DESG-6321

Goal. Designation as a Senior Instructor.

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

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320.

DESG-6322

Goal. Designation as a Weapons and Tactics Instructor.

 $\frac{\text{Requirement}}{\text{commanding officer in writing, appropriate entries made in M-SHARP and a letter filed in the PR.}$

<u>Prerequisite</u>. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320, 6321, SCHL-6000.

DESG-6520

Goal. Designation as a MACCSMO.

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

Prerequisite. 2600, 2605, 2610, 2615, 2620, 2650, 2655, 2660, 2665, 2670, 2712, 2724, 2728, 2730, 2740, 2746, 2750, 2752, 2754, 2756, 2758, 2760, 2800, 2802, 2804, 2806, 2812, 2814, 2816, 2818, 2820, 2830, 2834, 2842, 2844, 2846, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945, 2950, 3200, 3206, 3208, 3218, 3220, 8000, 8020, 8060, 8080

Note: To retain the eligibility and or designation as a MACCSMO, the maintenance officer must complete the following:

1. Within 24 months of completing the MACCSWO Course, complete the below listed events.

DAU DL	OMGT	ACPM
2818	3200R	8000 -
2820	3206R	8020
	3208R	8060
	3218R	8080
	3220R	

2. Within 48 months of completing the MACCSWO Course, complete event codes SCHL-6020, SCHL-6021, SCHL-6025 (see MAWTS C3 Course Catalog for details).

4.12.3 SCHOOL CODE (SCHL) STAGE

4.12.3.1 <u>Purpose.</u> To provide for school codes for skill enhancement training that the trainee may attend.

4.12.3.2 <u>General</u>

 $\underline{\text{Prerequisite.}}$ Completion of applicable Core, Mission, and Instructor Stage events.

Admin Notes. NONE.

Crew Requirements: Per the applicable events.

COURSE NAME	LOCATION	CID/CIN	T&R CODE
Weapons and Tactics Instructor	MCAS Yuma, AZ	M14P2A1	SCHL-6000
Course			

4.13 ACADEMICS

In addition to those listed in the MAWTS-1 C3 Course Catalog, other specific distance learning opportunities that compliment this syllabus are listed below. Maintenance personnel in MACCS maintenance leadership positions are encouraged to complete these courses.

COURSE	ACTIVITY
ACQ 101 Fundamentals of Systems Acquisition Management	Defense Acquisition University (DAU)
ACQ 201A Intermediate Systems Acquisition	DAU
ACQ 201B Intermediate Systems Acquisition	DAU
BCF 102 Fundamentals of Earned Value Management	DAU
BCF 103 Fundamentals of Business Financial Management	DAU
BCF 106 Fundamentals of Cost Analysis	DAU
TST 102 Fundamentals of Test and Evaluation	DAU
PMT 250 Program Management Tools	DAU
LOG 101 Acquisition Logistics Fundamentals	DAU
SYS 101 Fundamentals of Systems Engineering	DAU
PMT 352A Program Management Office Course	DAU
PMT 352B Program Management Office Course	DAU
Total Force Structure Management Systems (MC TFSMS)	TFMS Website
TFSMS Super User Course	TFMS Website
Fiber Optic Tools And Test Equipment Operation And Maintenance CBT	TECOM/ATB
SUNAIR HF RT 9000 CBT	TECOM/ATB

4.14 AVIATION CAREER PROGRESSION MODEL (8000)

4.14.1 <u>Purpose</u>. To enhance the 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 in the Aviation Career Progression Model (ACPM) is on academics in the following areas:

Marine Air Command and Control System (MACCS) Aviation Combat Element (ACE)

Threat to the MAGTF MAGTF Joint Air Operations

4.14.2 <u>General</u>. 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 prerequisites to selected training events or stages. Additionally, several ACPM academic events are integrated as prerequisite for certain combat 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://www.intranet.tecom.usmc.mil/sites/mawts1/mawts1%20webpages/Aviation%20Career%20Progression%20Model.aspx?PageView=Shared

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.

MACCS Maintenance (5900) personnel are not required to complete Module 8040 (Threat). The remaining four modules are aligned and set as requirements for designation throughout this training syllabus. See the MAWTS-1 C3 Course Catalog for content of the ACPM modules.

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)	4,40	4	2000
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)	is a light	4	2000
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)	diagr	4	2000
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000
ACPM	8007	UAS SUPPORT TO THE MAGTF		4	2000
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)	11991	4	2000
ACPM	8020	ACE		1	3000
ACPM	8021	AVIATION OPERATIONS	34.03	4	3000
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)	ta eta Maraia	4	3000
ACPM	8024	ASSAULT SUPPORT	Strain.	4	3000
ACPM	8025	AIR RECONNAISSANCE		4	3000
ACPM	8026	ELECTRONIC WARFARE	50 159 10 114	4	3000

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8027	ANTI-AIR WARFARE		4	3000
ACPM	8028	AVIATION GROUND SUPPORT		4	2000
ACPM	8040	THREAT	Sant.	1	4000
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF	2.500	4	4000
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	4000
ACPM	8043	ROTARY WING THREAT TO THE MAGTF	1000000	4	4000
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF	1	4	4000
ACPM	8045	RADIO ELECTRONIC COMBAT THREAT TO THE MAGTF	H. C.	4	3000
ACPM	8060	MAGTF		1	3000
ACPM	8061	GROUND COMBAT OPERATIONS		4	3000
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE	(5:3)	4	3000
АСРМ	8063	MAGTF COMMAND AND CONTROL	žu.	4	2000
АСРМ	8064	MAGTF COMMUNICATIONS		4	3000
ACPM	8065	PHASING CONTROL ASHORE		4	3000
АСРМ	8080	JOINT AIR OPERATIONS		1	3000
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)	155	4	3000
ACPM	8083	JOINT FIRE SUPPORT		4	3000
ACPM	8084	CLOSE AIR SUPPORT	100	4	3000
ACPM	8085	JOINT TARGETING	adition.	4	3000
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)	15.00	4	3000
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000
		TOTALIACPMISTAGE	39	141	

4.15 TER ATTAIN AND MAINTAIN TABLES

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			CC	RE/MISSION	N/CORE PL	US ATTAIN A	ND MAIN	TAIN MATRI	Χ			
		ong digital			CORE S	KILL (2000 F	hase)					
T&R:EVEN	IT INFORMA	TION		BASIC	POI	REFRESH	ER POI	MAINT PROFIC		PREREQS		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		CHAINING	
HANDLING/STORAGE		2600R	365		.2600R		:2600R		2600R	MCI 2525B		
PHYS SEC		2605R	365	1	2605R		2605R	COMSEC	2605R	MCI 2525B, 2600	-	
CREW CHANGE	COMSEC	2610R	365	COMSEC	2610R	COMSEC	2610R		COMSEC	2610R	MCI 2525B, 2605	-
EKMS CALLOUT		2615R	365		2615R		2615R		2615R	MCI 2525B, 2600	-	
SKL		2620R	365		2620R		2620R		2620R	MCI 2525B, 2600, 2615	-	
TDL		2650	*		2650					-	•	
ADPE		2655	*	FA.14	2655					-		
FREQ SPECTRUMS	FAM	2660	*	FAM	2660	FAM		FAM		•	-	
FREQ CHAR		2665R	1460		2665R		2665R		2665R	-		

						NTENANCE					<u> </u>
			CC	RE/MISSIO				TAIN MATRI	X		1 1
					CORES	KILL (2000 F	hase)	MAIN	TAIN		· · · · · · · · · · · · · · · · · · ·
T&R EVENT	INFORMAT	ION		BASIC	POI	REFRESH	ER POI	PROFIC		PREREQS	Linda.
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		CHAINING
EARTH GRD		2670	*		2670					•	-
Identify Float Process		2712R	1460		2712R		2712R		2712R		
Submit TOECR		2724	*		2724					<u>.</u>	-
Develop Budget		2728R	1460		2728R		2728R		2728R	2752	-
CMR Review		2730R	1460		2730R		2730R		,2730R	2752	-
CCI Procedures Implemented		2740	*		2740					-	_
Command Level Brief	MMGT	2746R	365	MMGT	2746R	MMGT	2746R	MMGT	2 7 46R	-	-
QC PROC		2750R	1460		2750R		-2750R		,2750R		-
Funding REQ		2 752R	1460		2752R		.2752R		2752R	-	-
UURI Authorization		2754	*		2754					2730	-
WIR Procedures		2756	*		2756					-	-
Maintenance Cycle		2758	*		2758					-	-
PDQR Procedures		2760	*		2760					· -	-
Doctrinal Nets		2800R	365		2800R		2800R		2800R	-	-
Planning Documents		2802	*		2802						-
Key Sections of OP Ord		2804	*		2804					· <u>-</u>	-
Equipment Requirements		2806R	36 5		2806R		2806R		2806R	2800	-
Design a site layout		2812R	730		2812R		2812R		.2812R	2806, 2830	-
Develop embark plan		2814R	730		2814R		2814R		2814R	2730, 2806, 2846, 2830, 2812	-
Validation of Bill of Material (BOM)		2816R	730		.2816R		2816R		2816R	-	-
Familiarization of acquisition management	OMGT	2818	*	OMGT	2818	омст		омст		-	-
Familiarization of fundamentals acquisition logistics		2820	*		2820					2820	-
Conduct a site survey		2830R	1460		2830R		2830R		2830R	2730, 2806	-
Supply Support Requirement		2834	*		2834					2806	_
Power Requirements		2842R	365		2842R		.2842R		2842R	2806	-
Submit Frequency Request		2844	*		2844					2806	-
Logistics Support Request (LSR)		2846	*		2846					2806	-
Identify MACS	ORGS	2900	*	ORGS	2900	ORGS		ORGS		8004, 8005	

					MTACS MA	INTENANCE	MOS 5970)			
111142		a se jet e	CC	RE/MISSIO	N/CORE PL	US ATTAIN A	ND MAIN	TAIN MATRI	X	1	•
					CORES	KILL (2000 F	hase)	*		en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
T&R EVEN	NT INFORMA	TION		BASIC	POI	REFRESH	ER POI	MAIN PROFIC		PREREQS	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		CHAINING
Identify the MCAS ATC		2905	*		2905					8005	-
Identify MASS		2910	*		2910					8003	-
Identify MTACS		2915	*		2915					8002	-
Identify LAAD Bn]	2920	*		2920					8006	-
Identify VMU]	2925	. *		2925					8007	-
Identify MWCS	1 .	2930	*		2930					8008	-
Identify MWSS		2935	*		2935					8028	
HHQ Mission and Support Agencies		2945	*		2945					8063	-
MACCS OV		2950R	1460		2950R		2950R		2950R	8001, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945	

				1 1	MISSION	SKILL (3000	Phase)	1.1			
T&R EVENT INFORMATION			BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		CHAINING
Develop Comm Plan ISO OPLAN		3200R	730		3200R		3200R		3200R	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2950, 3206	-
Identify Operational Requirements		3206R	730		3206R		3206R		3206R	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812	-
Perform CBRN	TACCOPS	3208R	365	TACCOPS	3208R	TACCOPS	3208R	TACCOPS	3208R	-	-
Understand Maint Sect Management	1700013	3218R	1460	TACCOTO	3218R	3218R	3218R	3218R	3218R 2834, 28 2746, 28	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2746, 2814, 2842, 2830, 3200, 2950, 3206	•
Deploy Maint Sect		3220R	730		3220R		3220R	32:	3220R	2746, 2800, 2802, 2806, 2814, 2842, 2830, 2834, 2844, 2846, 2812, 3200,	-
Develop Comm Plan ISO OPLAN		3200R	730		3200R		3200R		3200R	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2950, 3206	,
Identify Operational Requirements		3206R	730		3206R		.3206R		3206R	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812	<u>-</u>
Perform CBRN	TACCINE	3208R	365	TACCINE	3208R	TACCINE	3208R	TACCINE	3208R	-	-
Understand Maint Sect Management	incenti in	3218R	1460	rround	3218R	Triudinii .	3218R		.3218R	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2746, 2814, 2842, 2830, 3200, 2950, 3206	-
Deploy Maint Sect		3220R	730		3220R		.3220R		3220R	2746, 2800, 2802, 2806, 2814, 2842, 2830, 2834, 2844, 2846, 2812, 3200,	-

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4.16 T&R SYLLABUS MATRIX

MTACS MAINTENANCE MOS 5970 T&R SYLLABUS MATRIX																LULIS SECURATION PARTY			
STAGE		EVENT		,		DEVICE.		COND	REFLY	ÁCA	ROUND/ CADEMIC EVENTS		SIM EVENTS		LIVE PENTS	· PREREQ	NOTES	CHAIN	EVENTICONV
	COD F	TITLE			TYPE	¥	. ÓPTION	Anue La companya	in a series	#	TIME	1	TIME	#	TIME			ignit.	
			CORI	šĸi	LLINTRO	DUC	TION TRAIL	VING (100	O PHASE	EVEN	ts)		123.9			Maly St. Bergelander de Origin De Well Government (1998)		The second	
MMWO	1000	CMR Review	В	E	G	-	-	D	*		2.0	rigis).	0		0	-	-	-	-
ммио	1005	MIMMS/AIS	В	E	G	-	•	D	*		3.0		0		0	-	-	-	-
ммио	1010	Float Process	В	E	Ğ	-	-	D	*		2.0		0	are and	0	-	-	-	-
MMWO	1015	Funding Lines.	В	E	G		-	D	*	i i i	2.0	Wile Wile	0		0	-	-	-	-
MMWO	1020	Funding Requirements	В	E	Ġ	-		D	*	5///24	3.0		0		0	-	-	-	-
MMWO	1025	Induction of new equipment.	В	Е	G	-	-	D	*.		2.0	X	0		0	-	-	-	-
MMWO	1030	Equipment phase out.	В	E	G	-	-	D	*	diam.	2.0	T.	0		0	-	-	-	-
ммио	1035	Quality Control Procedures	В	E	G	-	-	D	*		·2.0	3	0	41 T	0	-	-	-	-
ммио	1040	Inspections Maint Functional Areas	В	Ē	G	-	-	D	*	. Solver (544) (524)	16.0	7	0	9,410	0	-	-	-	-
MMWO	1045	TO/ECRs.	В	Ę	G	-	-	D	*		2.0		0		0	-	-	-	-
MMWO	1050	Frequency Requests	В	Е	G		-	D	*	185.773	1.0	Ų.	0	SUL.VI	0	-	-	-	-
MMWO	1055	UNP and Urgent UNS	В	E	G	-		D	*		2.0		0	etilite e d'Steam	0	-	-	-	-
MMWO	1060	MACCS Equivalent Agencies	В	Е	G	-	-	D	*	Fizan	1.0	, i	0	esterio.	0	-	-	-	-
MMWO	1065	MLG Org Structure	В	E	G	-	-	D	*		2.0		0		0	-	-	-	-
MMWO	1070	Operations Order	В	E	G	-	-	D	*	Ze do	2.0	у. 4,11.	0		0	-		-	-
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ммио	1080	Mission TACC	В	E	G	•	-	D	*		8.0		0		0	-		-	-
MMWO	1085	Mission MACS	В	E	G	-	-	D	*	NA J	8.0	12.5 14.3	0		0			-	-
ммио	1090	Mission DASC	В	E	G		-	D	*	194	8.0		0	PERFORM D	0	-		-	-
MMWO	1095	Embark Procedures for MACCS	В	E	G		-	D	*		8.0	243	0		0	-	-	-	-
ммио	1100	5900 Staff Actions	В	E	G	•	,	D	*	122	1.0		0		0	-		-	-
ммио	1105	MACCS Data Links	В	E	G	-	-	D	*	:050m	4.0	1	0	hipi	0	-	-	<u> -</u>	<u> </u>
ммwо	1110	TDL.Network Requirements	В	E	G	-	-	D	*		4.0	455	0	74.7 <i>0</i> 7	0	-	_	-	
MMWO	1115	Information Assurance	В	Ε	G	-	_	D	*		2.0	W.	0	200	0	-	<u> -</u>	-	<u> </u>
ммио	1120	MACCS	В	E	G	-		D	*	4.5	4.0	G. Gr	0	Mari	0	-		ļ. <u>-</u>	<u> </u>
MMWO	1125	Understand T&R Processes	В	E	G	-	_	D	*	7205	2.0		0	ALIMITA	0	-	-	-	<u> </u>
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COMSEC	2600	Describe handling and storage of classified materials.	B,R,M	-	- ·	-	-	-	365		0		0		2.0	MCI 2525B	-	-	-
COMSEC	2605	Ensure physical security requirements	B,R,M		-	-	-	-	365	47 S	0		0		2.0	MCI 2525B, 2600	-	-	-
COMSEC	2610	Conduct crew change over security procedures.	B,R,M	-	-	-	-	- .	365		0		0	ivi.	2.0	MCI 25258, 2605	-	-	-
COMSEC	2615	Extract key material information from EKMS COMSEC callout.	B,R,M	-	-	-	-	ı	365		0		0		2.0	MCI 25258, 2600	-	-	
COMSEC	2620	Utilize Simple Key Loader (SKL)	B,R,M	-	-	-	-	-	365		0		0		2.0	MCI 2525B, 2600, 2615	-	-	· -
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FAM	2660	State HF, VF, and UHF frequency spectrums.	В	Ŀ	-	-	-	•	*	1 (4) 2 (5) 2 (5)	0		0		2.0	•	-	-	-
FAM	2665	Describe HF, VF, UHF radio characteristics.	B,R,M	-	_		-	-	1460		٥		0		2.0	-	-	-	-
FAM	2670	Install Earth Ground	В	-	-	-	•	-	*	HUNE	0		0	R.	2.0	-	-	-	-
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MMGT	2712	Identify Float Process	B,R,M	i -	_	-	-	-	1460		0	e Barra	0		2.0	-	_	-	-
MMGT	2724	Submit TOECR	В		-			_	*	in person	0	700	0	เกิดแก้	16.0		-		-
MMGT	2728	Develop Budget	B,R,M	-	-	-	-	•	1460	iii.	0		0	Lang	16.0	2752	-	-	-
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OMGT	2800	Doctrinal Nets	B,R,M	-	-	-	-	-	365		0		0	[4.0	-	-		<u> </u>
OMGT	2802	Planning Documents	В	-	-	-	<u>-</u>		*		0	200	0		2.0	-	-	-	
OMGT	2804	Key Sections of OP Ord	В	-	-	_	-		*	10000000	0		0	i gar	2.0	-	-	-	1
OMGT	2806	Equipment Requirements	B,R,M		-	<u> -</u>	-	-	3 65	512	0	ille.	0		2.0	2800	-	-	
OMGT	2812	Design a site layout	B,R,M			-	-	-	730	120.41	0		0		8.0	2806, 2830	<u> </u>	<u> </u>	
OMGT	2814	Develop embark plan	B,R,M	-	-	-	-	-	730		0	7. 3.	0		2.0	2730, 2806, 2846, 2830, 2812	-	-	-
OMGT	2816	Validation of Bill of Material (BOM)	B,R,M	-	-	-		_	730		0	65000 55000	٥		2.0	2806	-	-	-
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OMGT	2818	management Familiarization of fundamentals	В.			-				LONG MA				PHECH	25.0				\vdash
OMGT	2820	acquisition logistics	В	-	-	-	-	•	*		0	1.00 1.00 1.00	0		24.0	2818	-	-	-
OMGT	2830	Conduct a site survey	B,R,M	E	-	<u> -</u>	-	-	1460	i Age	0	er er	0	The first of the same of the s	4.0	2730, 2806	-	-	↓ - ↓
OMGT	2834	Supply Support Requirement	В	Ē	-	. -	-	-	*	ile desire	0	gesc	0	and in	3.0	2806	<u> </u>	-	_
OMGT	2842	Power Requirements	B,R,M	E		-	-	-	365	XXXXX	0	453	0	1000	4.0	2806	<u> </u>		
OMGT	2844	Submit Frequency Request	В	E		<u> </u>	-	-	*		0	200	0	44 (A)	1.0	2806	ļ -	-	├ -
OMGT	2846	Logistics Support Request (LSR)	В	E	-	-	-	-	*	12251288	0	10000	0	antutei.	1.0	2806	- Children is in	- etilinds	- seunsen
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ORGS	2925	Identify VMU	В	-			ļ		ļ	dedelina					2.0	8007	<u> </u>	-	+
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ORGS	2945	HHQ Mission and Support Agencies	В	E				<u> </u>	*	G. S.		122		Stan.	2.0	8063	1 -		

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ORGS	2950	MAGCS OV	B,R,M	-					1460						4.0	8001, 2900, 2905, 2910, 2915, 2920, 2925, 2930, 2935, 2945		<u>-</u>	-
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OMGT	3200	Develop Gomm Plan ISO OPLAN	B,R,M	-					730		0		0		2.0	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2950, 3206	-	-	-
OMGT	3206	Identify Operational Requirements	B,R,M	-					730		0		0		40.0	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812	-	-	-
OMGT	3208	Perform CBRN	B,R,M	-					365	38.00	Ö	MITTERS.	0		5.0	-	-	-	-
омет	3218	Understand Maint Sect Management	B,R,M	-		_	-	ם	1460		0		0		4.0	2800, 2802, 2806, 2842, 2834, 2844, 2846, 2812, 2746, 2814, 2842, 2830, 3200, 2950, 3206	_	-	-
омст	3220	Deploy Maint Sect	B,R,M	-	-	-	~	-	730		0		0		8.0	2746, 2800, 2802, 2806, 2814, 2842, 2830, 2834, 2844, 2846, 2812, 3200,	-	-	-
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IUT	5100	Understand Aviation T&R program	В	-	G	-	-	D	*		. 0	10 for	0		2	5000, 5010, 5020, 6320	-		-
IUT	5110	Understand Applicable Community T&R	В	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 5100, 6320	-	-	-
IUT	5120	Understand T&R Administration	В	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 5100, 5110, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2	5000, 5010, 5020, 5100, 5110, 5120, 6320	-	-	-
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DESG	6321	Senior Instructor	В		-	-	-	-	*		0		0		O	5020 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320	-	-	-

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4.17 <u>SYLLABUS EVALUATION FORMS</u>. See paragraph 208.8 in this chapter. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

4.18 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEM MATRIX (EESM). NONE.