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From: Commandant of the Marine Corps
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Subj: MARINE AIR TRAFFIC CONTROL MAINTENANCE TRAINING AND READINESS MANUAL

Ref: (a) NAVMC 3500.14C

Encl: (1) MATC Maintenance T&R Manual

1. Purpose. Per reference (a), the Training and Readiness (T&R) Manual, contained in enclosure (1), contains standards and regulations regarding the training of Marine Air Traffic Control (MATC) Maintenance Marines.

2. Scope. The precepts applied to the planning considerations included in this MATC Maintenance T&R Manual are as follows:

a. Leverage the formal school at Naval Air Station Pensacola to introduce skills and systems in accordance with reference (a) and in line with total force requirements.

b. Determine the training end-state needed to achieve the requirements of the Mission Essential Tasks (MET).

c. Build 2000 through 4000 Phase syllabi that transitions the formal school graduate to a Core Model Minimum Requirement Marine with a focus on Core MET competency and expected assigned mission tasks.

d. Develop the T&R Manual to be flexible, executable, and relevant over its entire life cycle by incorporating all current requirements.

3. Information. Recommended changes to this manual should be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General (CG), Training and Education Command (TECOM), Marine Air Ground Task Force Training and

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Education Standards Division (MTESD), Aviation Standards Branch, Quantico, Virginia 22134 using standard Naval correspondence or the Automated Message Handling System plain language address: CG TECOM MTESD.

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

5. Certification. Reviewed and approved this date.

T. M. MURRAY
By direction

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CHAPTER 1

MATC MAINTENANCE TRAINING AND READINESS UNIT REQUIREMENTS

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CHAPTER 1

MATC MAINTENANCE

1.0 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 MISSION. The mission of the Marine Air Traffic Control Detachment (MATCD) is to provide continuous all-weather, RADAR/Non-RADAR approach, departure, enroute, and tower air traffic control services to friendly aircraft.

1.2 TABLE OF ORGANIZATION (T/O). Refer to Table of Organization M00882 managed by Total Force Structure, MCCDC, for current authorized organizational structure and personnel strength. Information below depicts the MATCD T/O information as of the date of this NAVMC.

MACS 1, 2, 4, 24	
T/O 00882, 00883, 00884, 00874, 00875, 00876, 00863, 00864, 01236 OFFICERS -- 1 (5950) ENLISTED -- 1 (5959) -- 9 (5952) -- 9 (5953) -- 10 (5954)	
CREW COMPOSITION	**TOTALS**
MAINTENANCE SECTION	
MAINTENANCE OFFICER	1
MAINTENANCE CHIEF	1
NAVAIDS TECH	7
RADAR TECH	10
COMM TECH	10
MMT 1	
NAVAIDS TECH	1
COMM TECH	1
MMT 2	
NAVAIDS TECH	1

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.

MATC	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILLS (2000 PHASE)	
COMM	COMMUNICATIONS
DEPL	DEPLOYMENT
EQPT	EQUIPMENT
FAS	FIRST AID/SAFETY
MMGT	MAINTENANCE MANAGEMENT
MMTM	MARINE ATC MOBILE TEAM MEMBER
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
NAV	NAVIGATIONAL AIDS
ORGS	ORGANIZATIONAL STRUCTURE
ORNT	ORIENTATION
RADAR	RADAR
SEC	SECURITY
TDL	TACTICAL DATA LINK
TMDE	TEST MEASURE DIAGNOSTIC EQUIP
MISSION SKILLS (3000 PHASE)	
COMM	COMMUNICATIONS

DEPL	DEPLOYMENT
MMTM	MATC MOBILE TEAM
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
NAV	NAVIGATIONAL AIDS
RADAR	RADAR
	CORE PLUS SKILLS (4000 PHASE)
COMM	COMMUNICATIONS

1.5 MISSION ESSENTIAL TASK LIST (METL). The unit METL consists of Mission Essential Tasks (METs). Shading indicates Core Plus METs.

MATC		
MISSION ESSENTIAL TASK LIST (METL)		
CORE		
MET	**ABBREVIATION**	**MCT DESCRIPTION**
5.3.5.4.1	ATC	PROVIDE AIR TRAFFIC CONTROL (ATC) SERVICES
5.3.5.4.1.1	TWR	PROVIDE ATC TOWER SERVICES
5.3.5.4.1.2	RDR	PROVIDE ATC RADAR SERVICES
5.3.5.4.1.3	MMT	PROVIDE MARINE ATC MOBILE TEAM (MMT) SERVICES

1.6 MISSION ESSENTIAL TASK (MET) TO SIX FUNCTIONS OF MARINE AVIATION. Shading indicates Core Plus METs.

MATC							
MISSION ESSENTIAL TASK LIST (METL)							
CORE							
MET	**ABBREVIATION**	**SIX FUNCTIONS OF MARINE AVIATION**					
		OAS	**ASPT**	**AAW**	**EW**	**CoA&M**	**AerRec**
5.3.5.4.1	ATC					X	
5.3.5.4.1.1	TWR					X	
5.3.5.4.1.2	RDR					X	
5.3.5.4.1.3	MMT					X	

1.7 MISSION ESSENTIAL TASKS (MET) OUTPUT STANDARDS. Output standards are based on 24-hour continuous contingency/combat operations for one Marine Air Control Squadron.

CORE MET OUTPUT STANDARDS					
MET	ABBREVIATION	OUTPUT STANDARDS	TOTAL CMMR CREWS		
			MACS 1/2	MACS 4	MACS 24
5.3.5.4.1	ATC	Y/N: Able to provide sustained RADAR and tower services (2) Main Air Bases or Air Facilities	3	3	3

		Y/N: Able to support MMT services at (6) remote air sites or points			
		Y/N: Able to provide sustained RADAR air surveillance data to the MAGTF or joint force via tactical data link			
		Y/N: Able to provide sustained integration with the MACCS, other military command and control (C2) and civilian entities to include the Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO)			
		Y/N: Able to provide sustained FAA certifiable navigational aids and develop terminal instrument procedures			
5.3.5.4.1.1	TWR	Y/N: Able to provide sustained ATC tower services for (2) main air bases or air facilities	3	3	3
		Y/N: Able to provide sustained FAA certifiable navigational aids and develop terminal instruments procedures			
		Y/N: Able to provide sustained integration with the MACCS, other military command and control (C2) and civilian entities to include the Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO)			
5.3.5.4.1.2	RDR	Y/N: Able to provide sustained ATC RADAR services for (2) main air bases or air facilities	3	3	3
		Y/N: Able to provide RADAR air surveillance data to the MAGTF/Joint force via tactical data link			
		Y/N: Able to provide sustained navigational assistance			
		Y/N: Able to provide sustained integration with the MACCS, other military command and control (C2) and civilian entities to include the Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO)			

5.3.5.4.1.3	MMT	Y/N: Able to rapidly establish air traffic control and command, control and communications node for (2) air sites or points per assigned detachment	2	2	2
		Y/N: Able to provide assault zone survey and assessment for close combat, temporary airfields			
		Y/N: Able to mark and light landing zones IAW MMT TACSOP			
		Y/N: Able to provide navigational assistance			
		Y/N: Able to establish and control tactical landing zones (TLZs) for fixed-wing aircraft, and helicopter landing zones (HLZs) for rotary-wing aircraft in remote locations			

1.8 MET TO CORE/MISSION/CORE PLUS SKILL MATRIX. This table provides a pictorial view of the relationship between the Core MCT (Marine Core Task) and each Core/Mission/Core Plus skill required to perform the MCT. Shading indicates Core Plus.

MATCD																					
MISSION ESSENTIAL TASK (MET) TO CORE/MISSION/CORE PLUS SKILL MATRIX																					
	CORE SKILLS														MISSION SKILLS						CORE PLUS SKILLS
	2000 PHASE														3000 PHASE						4000 PHASE
MET	ORNT	FAS	SEC	MMGT	DEPL	NAMP	TMDE	EQPT	ORGS	NAV	MMTM	TDL	RADAR	COMM	DEPL	NAMP	NAV	MMTM	RADAR	COMM	COMM
5.3.5.4.1	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X
5.3.5.4.1.1	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X
5.3.5.4.1.2	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		X	X	X
5.3.5.4.1.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

1.9 CORE MODEL MINIMUM REQUIREMENT (CMMR) SKILLS PROFICIENCY REQUIREMENTS. The CMMR is the optimum number of personnel required to complete a MET capable element for each Core Skill depicted below. Core Plus skills are not required to complete a MET capable element.

MATC						
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS						
CORE SKILLS (2000 PHASE)						
	5950	5959	5952	5953	5954	TOTAL CMMR CREWS
ORNT	1	1	5	6	6	3
FAS	1	1	5	6	6	3
SEC	1	1	5	6	6	3

MMGT	1	1	5	6	6	3
DEPL	1	1	5	6	6	3
NAMP	1	1	5	6	6	3
TMDE	0	0	5	6	6	3
EQPT	0	0	5	6	6	3
ORGS	0	0	5	6	6	3
NAV	0	0	5	0	0	3
MMTM	0	0	2	0	2	3
TDL	0	1	5	6	6	3
RADAR	0	0	0	6	0	3
COMM	0	0	0	0	6	3
MISSION SKILLS (3000 PHASE)						
DEPL	1	1	5	6	6	3
NAMP	1	1	5	6	6	3
NAV	0	0	5	6	0	3
MMTM	0	0	2	0	2	3
RADAR	0	0	0	6	0	3
COMM	0	0	0	0	6	3
CORE PLUS SKILLS (4000 PHASE)						
COMM	0	0	0	0	3	3

1.10 INSTRUCTOR DESIGNATIONS (5000 PHASE).

MATC MAINTENANCE					
INSTRUCTOR DESIGNATIONS (5000 PHASE)					
CMMR					
ATC DETACHMENT					
INSTRUCTOR DESIGNATIONS	5950	5959	5952	5953	5954
BASIC INSTRUCTOR (BI)	0	0	2	2	2
SENIOR INSTRUCTOR (SI)	1	1	1	1	1
WEAPONS AND TACTICS INSTRUCTOR (WTI)	1	0	0	0	0

1.11 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (R, C, Q & D) (6000 PHASE).

MATC MAINTENANCE					
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 PHASE) CMMR (T-2)					
ATC DETACHMENT					
RCQD	5950	5959	5952	5953	5954
MO/ATCMO/AMO	1	0	0	0	0
MC/MMCO	0	1	0	0	0
3M COORDINATOR	0	1	0	0	0

NAVAIDS WORKCENTER SUPERVISOR (WCS)	0	0	1	0	0
RADAR WORKCENTER SUPERVISOR (WCS)	0	0	0	1	0
COMMUNICATIONS WORKCENTER SUPERVISOR (WCS)	0	0	0	0	1
NAVAIDS ADVANCED TECH (NAT)	0	0	3	0	0
MARINE AIR TRAFFIC CONTROL MOBILE TEAM MEMBER (MMTM)	0	0	2	0	1
COMMUNICATIONS MOBILE TEAM MEMBER	0	0	0	0	1
NAVAIDS BASIC TECH (NBT)	0	0	1	0	0
COMM BASIC TECH (CBT)	0	0	0	0	1
COMM ADVANCED TECH (CAT)	0	0	0	0	3
RADAR BASIC TECH (RBT)	0	0	0	1	0
ADVANCED RADAR TECH (ART)	0	0	0	3	0
NAMP					
MARINE AIR CONTROL SQUADRON S-6 CHIEF	0	1	0	0	0
COLLATERAL DUTY INSPECTOR (CDI)	0	0	1		
COLLATERAL DUTY QUALITY ASSURANCE REPRESENTATIVE (CDQAR)	0	0	1		
MARINE AIR CONTROL SQUADRON QUALITY ASSURANCE OFFICER (QAO)	0	1	0		
QUALITY ASSURANCE SUPERVISOR (QAS)	0	0	1	1	1
QUALITY ASSURANCE (QA) PROGRAM MONITOR	0	0	0	1	1
QUALITY ASSURANCE REPRESENTATIVE (QAR)	0	0	1		
QUALITY ASSURANCE AUDIT PROGRAM MANAGER	0	0	0	1	1
NAVAL AVIATION QUALITY ASSURANCE ADMINISTRATION	0	0	1		
AIRFIELD LICENSING CERT (AFLIC)	0	0	1		
CORROSION PREVENTION AND CONTROL PROGRAM MANAGER (CPCP)	0	0	1		
CORROSION PREVENTION AND CONTROL PROGRAM MONITOR	0	0	1	1	1
MOBILE MAINTENANCE FACILITIES PROGRAM MANAGER	0	0	0	1	
MOBILE FACILITY PROGRAM MONITOR	0	0	0	1	1
FOREIGN OBJECT DAMAGE PREVENTION PROGRAM MANAGER (FOD MGR)	0	0	1		
FOREIGN OBJECT DAMAGE (FOD) PREVENTION PROGRAM MONITOR	0	0	1	1	1
ELECTROSTATIC DISCHARGE/ELECTROMAGNETIC INTERFERENCE PROGRAM MANAGER (ESD/EMI MGR)	0	0	1		
ELECTROSTATIC DISCHARGE (ESD) PROGRAM MANAGER	0	0	0	1	1
ELECTROSTATIC DISCHARGE (ESD) PROGRAM MONITOR.	0	0	1	1	1
AIRCRAFT MAINTENANCE MATERIAL READINESS LIST PROGRAM MANAGER (AMMRL MGR)	1	0	0	0	0
AIRCRAFT MAINTENANCE MATERIAL READINESS LIST (AMMRL) PROGRAM MONITOR	0	0	0	1	1
NAVAL AVIATION MAINTENANCE DISCREPANCY REPORTING PROGRAM MANAGER (NAMDRP MGR)	0	0	1	0	1

NAVAL AVIATION MAINTENANCE DISCREPANCY REPORTING PROGRAM MONITOR (NAMDRP)	0	0	1	0	1
CENTRAL TECHNICAL PUBLICATION LIBRARIAN (CTPL) PROGRAM MANAGER	0	0	0	1	1
CENTRAL TECHNICAL PUBLICATION LIBRARIAN (CTPL) PROGRAM MONITOR	0	0	0	1	1
MAINTENANCE SAFETY PROGRAM MANAGER	0	0	0	1	1
MAINTENANCE SAFETY PROGRAM MONITOR	0	0	0	1	1
HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PROGRAM SUPERVISOR	1	0	1		
HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PROGRAM MANAGER	1	0	0	1	0
HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PROGRAM MONITOR	0	0	1	1	1
TOOL CONTROL PROGRAM MANAGER	0	1	0	0	0
TOOL CONTROL PROGRAM MONITOR	0	0	1		
TECHNICAL DIRECTIVE PROGRAM MANAGER	0	1	0	0	0
TECHNICAL DIRECTIVE (TD) COMPLIANCE PROGRAM MONITOR	0	0	1	1	1
MAINTENANCE IN-SERVICE TRAINING PROGRAM MANAGER	1	0	0	0	0
MAINTENANCE IN-SERVICE TRAINING PROGRAM MONITOR	0	0	1	0	1
NAVAL AVIATION METROLOGY AND CALIBRATION (METCAL) PROGRAM MANAGER	0	0	1	1	1
NAVAL AVIATION METROLOGY AND CALIBRATION (METCAL) PROGRAM MONITOR.	0	0	1	1	1
CARDIOPULMONARY RESUSCITATION (CPR)	1	1	9	9	10
LOGS AND RECORDS	0	0	0	1	1
AERONAUTICAL TECHINICAL PUBLICATIONS LIBRARY	0	0	1	1	0

1.12 UNIT EXTERNAL SYLLABUS RESOURCE REQUIREMENTS. To effectively accomplish the tactical employment events for the Marine Air Traffic Control Syllabus, access to functional expeditionary airfields with associated airspace is required.

CHAPTER 2
MATC SYSTEMS MAINTENANCE OFFICER/MOS 5950 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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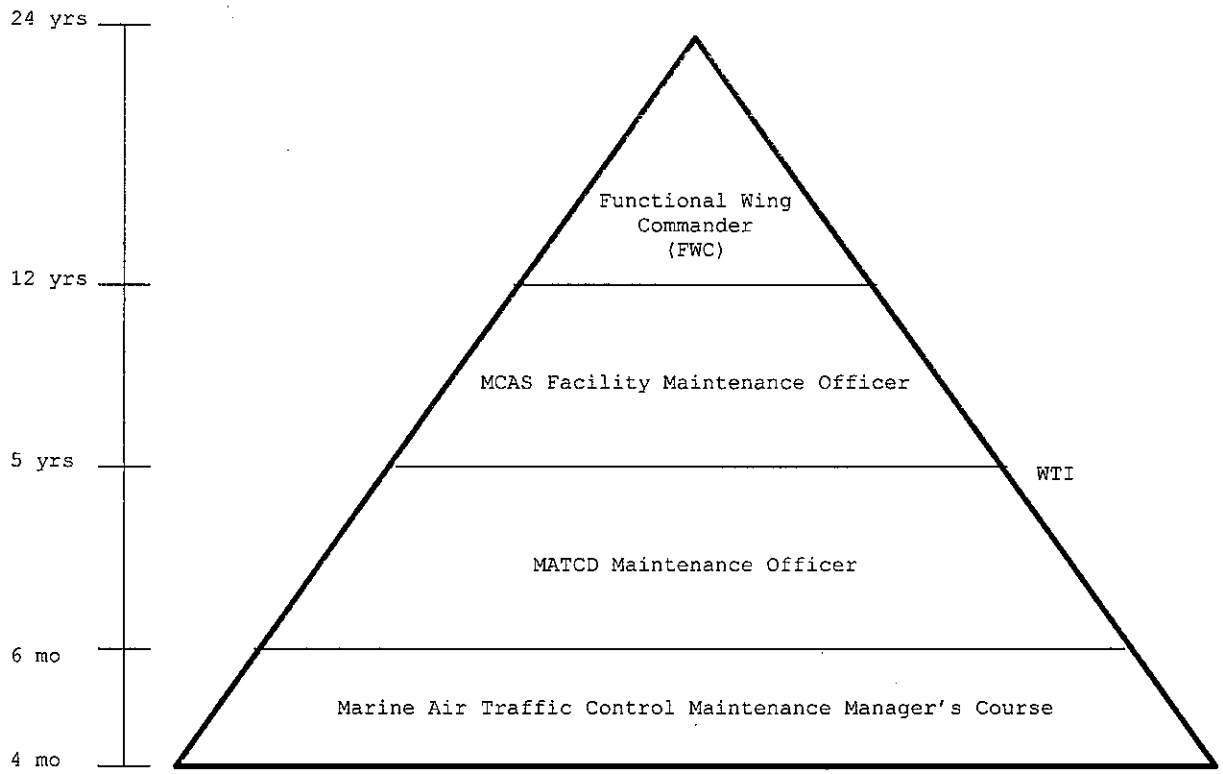
CHAPTER 2
MATC MAINTENANCE OFFICER/MOS 5950
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

2.0 5950 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.

2.1 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Marine Air Traffic Control Systems Maintenance Officer. Units should use the model as a point of departure to generate individual training plans.

5950 Training Progression Model



2.2 ABBREVIATIONS

ATC MAINTENANCE MOS 5950	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
CD	COLLATERAL DUTIES
DEPL	DEPLOYMENT
EQPT	EQUIPMENT

FAS	FIRST AID/SAFETY
MMGT	MAINTENANCE MANAGEMENT
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
ORNT	ORIENTATION
SEC	COMMUNICATION SECURITY
MISSION SKILL (3000 Phase)	
DEPL	DEPLOYMENT
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
HAZMAT	HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PROGRAM MANAGER
MIST	MAINTENANCE IN-SERVICE TRAINING PROGRAM MANAGER
AMO	ASSISTANT MAINTENANCE OFFICER

2.3 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

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.

ATC MAINTENANCE MOS 5950					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
CORE SKILL (2000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
	2000R		2000R		2000R
	2005R		2005R		2005R
ORNT	2010R	ORNT	2010R	ORNT	2010R
FAS	2055R	FAS	2055R	FAS	2055R
	2300R		2300R		2300R
	2305R		2305R		2305R
	2310R		2310R		2310R
SEC	2315R	SEC	2315R	SEC	2315R
MMGT	2400	MMGT		MMGT	

	2402R		2402R		2402R
	2404R		2404R		2404R
	2406R		2406R		2406R
	2408R		2408R		2408R
	2410R		2410R		2410R
	2412R		2412R		2412R
	2414R		2414R		2414R
	2416R		2416R		2416R
	2418R		2418R		2418R
	2420R		2420R		2420R
	2422R		2422R		2422R
	2424R		2424R		2424R
	2426R		2426R		2426R
	2428R		2428R		2428R
	2430R		2430R		2430R
	2432R		2432R		2432R
	2434R		2434R		2434R
	2500R		2500R		2500R
	2505R		2505R		2505R
	2510R		2510R		2510R
	2515R		2515R		2515R
	2520R		2520R		2520R
	2525R		2525R		2525R
DEPL	2530R	DEPL	2530R	DEPL	2530R
	2700R		2700R		2700R
	2701R		2701R		2701R
	2704R		2704R		2704R
	2705R		2705R		2705R
	2706R		2706R		2706R
	2707R		2707R		2707R
NAMP	2708R	NAMP	2708R	NAMP	2708R
	2709R		2709R		2709R
	2710R		2710R		2710R
	2716R		2716R		2716R
	2717R		2717R		2717R
	2718R		2718R		2718R
	2719R		2719R		2719R
	2720R		2720R		2720R

	2721R		2721R		2721R
	2724R		2724R		2724R
	2725R		2725R		2725R
	2726R		2726R		2726R
	2727R		2727R		2727R
	2728R		2728R		2728R
	2731R		2731R		2731R
	2732R		2732R		2732R
	2733R		2733R		2733R
	2734R		2734R		2734R
	2735R		2735R		2735R
	2736R		2736R		2736R
	2737R		2737R		2737R
	2738R		2738R		2738R
	2742R		2742R		2742R
	2743R		2743R		2743R
	2744R		2744R		2744R
	2745R		2745R		2745R
	2746R		2746R		2746R
	2748R		2748R		2748R
	2749R		2749R		2749R
	2750R		2750R		2750R
	2751R		2751R		2751R
	2752R		2752R		2752R
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
DEPL	3000R	DEPL	3000R	DEPL	3000R
	3005R		3005R		3005R
	3010R		3010R		3010R
	3015R		3015R		3015R
	3020R		3020R		3020R
NAMP	3200R	NAMP	3200R	NAMP	3200R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT "R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

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

ATC MAINTENANCE MOS 5950 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

2.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

ATC MAINTENANCE MOS 5950 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
HAZMAT (QUAL-6100)	2718, 2719, 3000, 6000
MIST (QUAL-6105)	2700, 2701, 3000, 6000
AMO (QUAL-6115)	2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2436, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6000, 6100, 6105
HAZMAT (DESG-6200)	2718, 2719, 3000, 6000, 6100
MIST (DESG-6205)	2700, 2701, 3000, 6000, 6105
AMO (DESG-6215)	2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2436, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6005, 6100, 6105, 6115
AMMRL PROGRAM MANAGER (DESG-6220)	2434, 2727, 2728, 3200

2.6 5950 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

ATC MAINTENANCE 5950 BASIC POI		
WEEKS[1]	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-2	CORE SKILL INTRODUCTION TRAINING	NATTC PENSACOLA, FL

3-25	CORE SKILL TRAINING	TACTICAL SQUADRON
25-40	MISSION SKILL TRAINING	TACTICAL SQUADRON
40-52	CORE PLUS	TACTICAL SQUADRON

2.6.2 Refresher POI

ATC MAINTENANCE MOS 5950 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.

2.7 SYLLABUS NOTES

2.7.1 Environmental Conditions Matrix

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

2.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.
L/S	Event performed live preferred/simulator optional.
S/L	Event performed in simulator preferred/live optional.
G	Ground/academic training. May include Distance Learning, CBT, lectures, self paced.

CBT	Computer Based Training
LAB	Laboratory
LEC	Lecture
CP	Command Post
TEN	Tactical Environment Network. Events designated as TEN require an approved tactical environment simulation capable of introducing both semi-autonomous threats and moving models controllable from the tactical operator station.
TEN+	Enhanced Tactical Environment Network. Events designated as TEN+ require an approved tactical environment simulation and at least one additional, networked, man-in-the-loop simulator to meet the training objectives. A moving model controlled from the operator station does not satisfy the man-in-the-loop requirement.
Note – If the event is to be flown in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

2.7.3 Program of Instruction Matrix

PROGRAM OF INSTRUCTION MATRIX		
Program of Instruction (POI)	Symbol	Aviation Ground
Basic	B	Initial MOS Training
Refresher	R	Return to community from non (MOS/Skill) associated tour
Maintain	M	All individuals who have attained CSP/MSP/CPP by initial POI assignment are re-assigned 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 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5950 Air Traffic Control Systems Maintenance Officer.

2.8.2 General.

2.8.2.1 Prerequisite. Meet the requirement delineated in the MOS Manual.

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	MARINE AIR COMMAND AND CONTROL SYSTEMS (MACCS) MAINTENANCE MANAGERS WARRANT OFFICER COURSE (MMWO)

2.8.3 MARINE AIR COMMAND AND CONTROL SYSTEMS (MACCS) MAINTENANCE MANAGERS WARRANT OFFICER COURSE (MMWO) STAGE

2.8.3.1 Purpose. This course is designed to provide Marine Air Command and Control Systems Maintenance Officers with the knowledge and skills required to effectively administer maintenance management procedures within the MACCS community.

2.8.3.2 General

Prerequisite. Meet the 5950 requirements delineated in the MOS Manual.

Admin Notes. This course is required for 5950 Warrant Officers, and is conducted at NATTC Pensacola, FL. CID/CIN: N23KCN2.

Crew Requirements. None

MMWO-1000 14.0 * B E G

Goal. Evaluate the MATCD work centers attributes, and its integration into the MATCD, and the MACCS, using applicable references.

Requirement.

1. Explain the role, mission, and organization of the MACCS
2. Describe Marine Air Traffic Control Detachment
3. Describe MATCD Table of Organization & Equipment
4. Explain the uses of and contents within the User's Logistics Support Summary (ULSS)
5. Describe MATCD Navigational Aids equipment
6. Describe MATCD RADAR equipment
7. Describe MATCD Communications equipment
8. Describe MATCD utilities equipment
9. Describe MATCD Meteorological and Oceanographic Equipment (METOC)

Performance Standard. Identify and describe the equipment within the Marine Air Traffic Control Detachment and integration into the MACCS.

Reference.
1. MCWP 3-25.8
2. MATCALS ALLOWANCE LIST
3. NAVAIR ATC 37-02

MMWO-1005 12.0 * B E G

Goal. Manage MATCD Supply Functions using applicable references.

Requirement.

1. Explain the operation of the Navy Supply System
2. Describe Federal Logistic Data (FEDLOG) operations in management of supply support
3. Describe the Military Standard Requisitioning and Issue Procedures (MILSTRIP)
4. Describe Product Quality Deficiency Reports
5. Describe Supply Discrepancy Reports
6. Describe the functions of the Aviation Supply Departments (ASD, within a Marine Aviation Logistic Squadron (MALS)
7. Describe the structure and operation of the Coordinated Shipboard Allowance List (COSAL)

Performance Standard. Utilize the respective references and supply procedures to manage repairable/consumable supply within the MATCD.

External Syllabus Support. None

Reference.
1. NAVSUP PUB P-485 VOL. I, II, III
2. NAVSUP PUB P-719
3. NAVSUP INSTR-4423.29
4. NAVSUP PUB P-409
5. MCO P4400.177_
6. SPCCINST 4441.170_

MMWO-1010 11.0 * B E G

Goal. Manage MATCD Maintenance Data Systems (MDS) using applicable software and references.

Requirement.

1. Describe the MATCD Maintenance Management Systems
2. Describe the functions of the Maintenance Action Form (MAF-IA) program
3. Describe the responsibilities of the Work Center Supervisor within the MAF-IA program
4. Describe Aviation Management Supply Readiness Reporting (AMSRR)
5. Describe the purpose of the Planned Maintenance System (PMS)

6. Describe the responsibilities of Work Center within the Planned Maintenance System
7. Describe the capabilities of the SKED 3.1 Planned Maintenance System Scheduling Program

Performance Standard.

1. Perform applicable report functions within the MAF-IA program.
2. Perform AMSRR website functions.
3. Perform tasks associated with the SKED 3.1 Planned Maintenance System Scheduling Program.

External Syllabus Support. None

Reference.
1. MAFIA 3.1_ OMI
2. AMSRR WEB 3.0 (SUM)
3. NAVSEAINST 4790.8_

MMWO-1015 35.0 * B E G

Goal. Manage MATCD maintenance programs in accordance with Naval Aviation Maintenance Program (NAMP).

Requirement.

1. Explain NAMPSOPS/NON-NAMPSOPS programs
2. Describe the QA personnel within MATCD
3. Describe the responsibilities of the MATCD
4. Describe work center Publication requirements
5. Describe personnel responsible for safety administration within MATCD
6. Describe operating hazards and safety precautions within MATCD
7. Describe the procedures for reporting SE misuse or abuse.
8. Describe IMRL within MATCD
9. Describe QA MATCD
10. Describe assignment of Collateral Duties within MATCD
11. Describe Maintenance Training and Evaluation Program within MATCD
12. Describe Tire and Wheel Maintenance Safety Program within MATCD
13. Describe Quality Assurance Audit Program within MATCD
14. Describe Naval Aviation Maintenance Discrepancy Reporting Program within the work center
15. Describe Technical Directive Compliance Program within the work center
16. Describe Foreign Object Damage Prevention Program within the work center
17. Describe Tool Control Program within the work center
18. Describe Corrosion Prevention and Control Program within the work center
19. Describe Support Equipment Training and Licensing Program within the work center

20. Describe Support Equipment Planned Maintenance System Program within the work center
21. Describe Naval Aviation Metrology and Calibration Program within the work center
22. Describe Hazardous Material Control and Management Program within the work center
23. Describe Electromagnetic Interference/Electrostatic Discharge Program within the work center
24. Describe Miniature/Micro-miniature (2M) Program within the work center
25. Describe Aircraft Maintenance Material Readiness List Program within the work center
26. Describe Laser Hazard Control Program within the work center
27. Describe Mobile Facility Program within the work center
28. Describe Aircraft and Support Equipment Painting within the work center
29. Describe Preservation procedures within the work center
30. Describe Emergency Reclamation within the work center

Performance Standard. Perform audits and maintenance tasks within the work center utilizing the Computerized Self Evaluation Checklist (CSEC) Program.

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

MMWO-1020 8.0 * B E G

Goal. Manage the deployment of MATCD work center assets in accordance with applicable references.

Requirement.

1. Explain embarkation procedures within the work center
2. Explain the process for a frequency request
3. Explain the site survey process for selecting an optimal site for equipment within work center
4. Describe procedures to prepare MATCD equipment within the work center for FAA/Tactical Flight Inspection

Performance Standard. With the aid of reference and given a training scenario, complete the requirement items. Instructor will question and mentor the trainee throughout the discussion to ensure of an understanding of each item.

External Syllabus Support. None

Reference.
1. FAA ORDER 8200.1
2. NAVAIR 00-80T-114
3. MCWP 3-25.8

2.9 CORE SKILL TRAINING (2000)

2.9.1 Purpose. To develop core skill proficiency for 5950 personnel to be able to perform duties while assigned to the Marine Air Traffic Control Detachment (MATCD).

2.9.2 General.

2.9.2.1 Prerequisite. None

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

PAR NO.	STAGE NAME
2.9.3	ORIENTATION (ORNT)
2.9.4	FIRST AID/SAFETY (FAS)
2.9.5	EQUIPMENT (EQPT)
2.9.6	COMMUNICATION SECURITY (SEC)
2.9.7	MAINTENANCE MANAGEMENT (MMGT)
2.9.8	DEPLOYMENT (DEPL)
2.9.9	ORGANIZATIONAL STRUCTURE (ORGS)
2.9.10	NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)

2.9.3 ORIENTATION (ORNT) STAGE

2.9.3.1 Purpose. To provide an overview of local site layout, procedures, equipment, and emergency conditions.

2.9.3.2 General

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

Crew Requirements. Training will be executed as individual training, with appropriate assistance at the crew level as needed, and as dictated by the conditions listed for each event. Crewmember(s) assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual's requirement to demonstrate the performance standard.

ORNT-2000 1.0 1095 B,R,M D L

Goal. Familiarization with the different types of power sources used by MATCD.

Requirement. Describe the different types of power sources used by MATCD.

1. Describe MEP-803 characteristics
2. Describe MEP-805 characteristics
3. Describe MEP-806 characteristics
4. Describe MEP-807 characteristics
5. Describe MEP-531 characteristics
6. Describe MEP-1060 characteristics
7. Describe G-88 characteristics
8. Describe ITEG characteristics
9. Describe shore power requirements
10. Describe junction box characteristics
11. Describe PDU characteristics

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. TM-9-6115-642-10
2. TM-9-6115-644-10
3. TM-9-6115-645-10
4. TM-9-6115-729-10
5. TM 12359A-OD/B
6. TM 12359A-OD/C
7. 16-70TSQ216-410

ORNT-2005 1.0 365 B,R,M (D) L

Goal. Identify and explain the organizational destructive weather plan.

Requirement. In accordance with the references identify and explain:

1. The requirement to shift from shore power to auxiliary power if applicable
2. The systems and equipment that are required to be packed up and stored in order to prevent damage
3. Where packed up systems and equipment are to be stored during inclement weather
4. What precautions will be taken in order to prevent damage if systems and equipment are not required to be packed up IAW the references
5. Where destructive weather prevention materials are stored

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI, SI

Prerequisite. None

1. TM-9-6115-642-10
2. TM-9-6115-644-10
3. TM-9-6115-645-10
4. TM-9-6115-729-10
5. TM 12359A-OD/B
6. TM 12359A-OD/C
7. 16-70TSQ216-410

External Syllabus Support. None

Reference.
1. OPNAVINST 3140.24_
2. Unit SOP
3. NAVAIR 00-80T-114

ORNT-2010 1.0 365 B,R,M (D) L

Goal. Site familiarization

Requirement. Complete a site familiarization of all work centers within 30 days of checking in.

Performance Standard. Complete the requirement as verified by an instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. Local Unit SOP

2.9.4 FIRST AID/SAFETY (FAS) STAGE

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

2.9.4.2 General

Prerequisite. 2000, 2005, 2010

Admin Notes. None

Crew Requirements. None

FAS-2055 8.0 365 B,R,M (D) L

Goal. Complete Naval Occupational Safety and Health (NAVOSH) Indoctrination training.

Requirement. Complete NAVOSH/Safety training within 30 days upon arrival to an MATCD.

Performance Standard. NAVOSH/Safety training form completed by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. OPNAVINST 5100.23
2. COMNAVAIRFORINST 4790.2

2.9.5 COMMUNICATION SECURITY (SEC) STAGE

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

2.9.5.2 General

Prerequisite. Complete MCI 2525B.

Admin Notes. None

Crew Requirements. None

SEC-2300 2.0 365 B,R,M (D) L

Goal. Describe proper handling and storage of classified materials.

Requirement. State and identify the following:

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

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

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

Instructor. BI, SI

Prerequisite. Complete MCI 2525B.

External Syllabus Support. None

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

SEC-2305 2.0 365 B,R,M (D) L

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

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. Complete MCI 2525B, 2600

External Syllabus Support. None

Reference. MCO P5530.14_

SEC-2310 2.0 365 B,R,M (D) L

Goal. Conduct crew change over security procedures.

Requirement. During a crew change over:

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

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

Instructor. BI, SI

Prerequisite. Complete MCI 2525B

External Syllabus Support. None

Reference. EKMS-1A

SEC-2315 2.0 365 B,R,M (D) L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references:

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

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

Instructor. BI, SI

Prerequisite. Complete MCI 2525B, 2600

External Syllabus Support. None

Reference. EKMS-1A

2.9.6 MAINTENANCE MANAGEMENT (MMGT) STAGE

2.9.6.1 Purpose. To instruct trainee how to perform MATC maintenance management functions.

2.9.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2400 3.0 * B D L

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

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

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2402 4.0 1095 B,R,M (D) (L)

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

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

1. Verify the following:
   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. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2404 2.0 1095 B,R,M (D) (L)

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. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2406 2.0 1095 B,R,M (D) (L)

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 UNS
3. Describe the process of completing a UNP form
4. Complete the UNS form to support the requirement

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVMC 11475
2. MCO 3900.17

MMGT-2408 16.0 1095 B,R,M (D) (L)

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

Requirement. Given a scenario and applicable references:

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

Performance Standard. Complete the requirement items to support the scenario; instructor will ensure the NAVMC 11355 supports the scenario requirement.

Prerequisite. 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

Prerequisite. None

External Syllabus Support. None

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

MMGT-2410 4.0 1095 B,R,M (D) (L)

Goal. Explain the Consolidated Shipboard Allowance List (COSAL) validation/verification process

Requirement. Given the reference, explain the following:

1. The responsibilities associated with the ATC Detachment in the validation/verification process
2. The responsibilities associated with the supporting MALS in the validation/verification process
3. The responsibilities associated with the Navy Inventory Control Point (NAVICP)
4. How to update the validation aid
5. How to verify updates are inputted in detachments COSAL

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVSUP 485
2. SPCCINST 4441.17_

MMGT-2412 1.0 1095 B,R,M (D) (L)

Goal. Review naval messages for accuracy and submit to authorized releasing authority

Requirement. Given a drafted naval message perform the following:

1. Verify plain language addresses are correct
2. Verify the context of the message is appropriate
3. Verify classification of message is correct
4. Release or forward to authorized releasing authority

Performance Standard. Complete the requirements without error via practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. NTP 3 (J) Telecommunications User's Manual

MMGT-2414 1.0 1095 B,R,M (D) (L)

Goal. Verify completion of a System Operation Verification Test (SOVT)

Requirement. Given a SOVT, explain the following:

1. Occasions a SOVT may be required
2. Routing process within the maintenance chain
3. Where historical files are maintained

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

MMGT-2416 1.0 1095 B,R,M (D) (L)

Goal. Identify the process for managing blue dollar funding within the Squadron

Requirement. Explain the following:

1. Annual budget requirements needed to maintain ATC equipment
2. Transfer of funds within the Squadron
3. Process to obtain funding through Wing Comptroller

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. Wing SOP
2. Squadron SOP

MMGT-2418 0.5 1095 B,R,M (D) (L)

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

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2420 2.0 1095 B,R,M (D) (L)

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

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. URL https://tfsms.mccdc.usmc.mil
2. MCO 5311.1_

MMGT-2422 1.0 1095 B,R,M (D) (L)

Goal. Identify the frequency request process.

Requirement. 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

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2424 2.0 1095 B,R,M (D) (L)

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. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. MCDP 6

2. MCWP 3-25.3
3. MCWP 3-25.4
4. MCWP 3-25.5
5. MCWP 3-25.6
6. MCWP 3-25.7
7. MCWP 3-25.8
8. MCWP 3-25.10
9. MCWP 5-1

MMGT-2426 4.0 1095 B,R,M (D) (L)

Goal. Identify MACCS Data Links

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

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. MCWP 3-25C
2. CJCSM 6120.01D

MMGT-2428 2.0 1095 B,R,M (D) (L)

Goal. Understand Training and Readiness Processes.

Requirement. Conduct the following:

1. 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 Human Performance Requirements Review (HPRR) 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

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. Complete the System Approach to Training (SAT) MarineNet Course UT01A0, URL https:\\www.marinenet.usmc.mil/marinenet

External Syllabus Support. None

Reference
1. NAVMC 3500.14_
2. SAT Manual
3. AIRS Website
http://hqinet001.hqmc.usmc.mil/ig/div_inspections/AIRS
4. MAWTS-1 C3 Course Catalog,
www.intranet.tecom.usmc.mil/sites/mawts1

MMGT-2430 20.0 1460 B,R,M (D) (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 and submit a letter of discrepancy within specified time period

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

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

MMGT-2432 2.0 1095 B,R,M (D) (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
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. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI, SI

Prerequisite. 2420

External Syllabus Support. None

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

MMGT-2434 2.0 1095 B,R,M (D) (L)

Goal. Explain the responsibilities of the program manager, coordinator, and monitor of NAMP programs applicable to the MATCD.

Requirement. Utilizing applicable reference, explain the following:

1. Maintenance Training
2. Foreign Object Damage Prevention
3. Aircraft Maintenance Material Readiness List (AMMRL)
4. Hazardous Material Control and Management
5. QA Audit
6. NAMDRP
7. Tire and Wheel Maintenance Safety
8. Maintenance Safety
9. Tool Control
10. Corrosion Prevention and Control
11. Support Equipment Operator training and licensing
12. Support Equipment planned maintenance
13. Central Technical Publications Library
14. Naval Aviation Metrology and Calibration
15. Electrostatic Discharge (ESD)
16. Miniature/Microminiature (2M)
17. Technical Directive (TD) Compliance
18. Maintenance Control
19. Material Control
20. Battery Maintenance
21. Laser Hazard Control
22. SE Misuse/Abuse

23. Mobile Maintenance Facilities
24. CDI Periodic

Performance standard. Complete the requirements via oral examination as verified by instructor.

Instructor. BI, SI

Prerequisite. 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

2.9.7 DEPLOYMENT (DEPL) STAGE

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

2.9.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

DEPL-2500 2.0 365 B,R,M (D) L

Goal. Describe the coordination between maintenance personnel and the ATC watch supervisors during a planned or unplanned equipment outage.

Requirement.

1. Demonstrate the proper procedures for taking a system or equipment out of service during equipment outage
2. Demonstrate the proper procedures for returning a system or equipment to service from equipment outage
3. Explain the purpose of a Notice to Airmen (NOTAM) and identify the timeframe in which one is required during a system outage
4. Explain the purpose of a Commander's Critical Information Report (CCIR) and identify the timeframe in which one is required during a system outage

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-114
2. Unit SOP

DEPL-2505 1.0 365 B,R,M (D) L

Goal. Explain the purpose of an FAA Flight Inspection as it pertains to the MATCD.

Requirement.

1. Describe the purpose of an FAA Flight Inspection
2. Describe the role of each work center to include Air Traffic Controllers during an FAA Flight Inspection

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR 16-1-520.
2. NAVAIR 00-80T-112.
3. FAAO 8200.1_.

DEPL-2510 1.0 365 B,R,M (D) L

Goal. Identify and explain the different types of FAA Flight Inspections and when a flight inspection is required.

Requirement.

1. Describe the five basic types of official flight inspections (Site evaluation, Commissioning, Periodic, Special, and Surveillance)
2. Describe contingency operation flight inspections

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR 16-1-520.
2. NAVAIR 00-80T-112.
3. FAAO 8200.1_.

DEPL-2515 2.0 365 B,R,M (D) L

Goal. Conduct a MATCD site evaluation.

Requirement. Given appropriate references identify conditions relevant to a site selection.

1. Identify terrain requirements
2. Identify physical blocking obstructions
3. Identify radio frequency interference (HERO, HERP, and HERF)
4. Identify utility requirements
5. Describe environmental consideration
6. Identify required external equipment
7. Identify required internal equipment
8. Identify equipment placement requirements

Performance Standard. Given a specified location determine the suitability of the site IAW appropriate reference as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-114
2. Unit SOP
3. Applicable TM

DEPL-2520 1.0 365 B,R,M (D) L

Goal. Explain the elements of a Bill of Materials (BOM)

Requirement. Discuss the requirements, timeliness, and limitations of a BOM.

Performance Standard. Complete the requirement as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. Local SOP

DEPL-2525 1.0 365 B,R,M (D) L

Goal. Create an Equipment Density List (EDL)

Requirement. Given a deployment scenario, create an EDL to encompass all required assets.

Performance Standard. Complete the requirement as verified by instructor.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR ATC-37-02
2. MCWP 3-25.8

DEPL-2530 1.0 365 B,R,M (D) L

Goal. Identify and explain the proper procedures for the maintenance and custody of voice/data recordings.

Requirement.

1. Identify how often and when tape changes are required
2. Identify recording requirements and what frequencies must be recorded on an independent channel
3. Describe notification procedures for a failed recorder system
4. Describe chain of custody for recorder tapes
5. Explain the proper procedure for making copies of recordings
6. Identify the timeframe that voice recordings are maintained during normal operations and during a mishap

Performance Standard. Evaluation of knowledge may be obtained through oral, practical application, and written exam.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-112.
2. Applicable technical manual.
3. Unit SOP

2.9.8 NAVAL AVIATION MAINTENANCE PROGRAM (NAMP) STAGE

2.9.8.1 Purpose. To familiarize trainee with the COMNAVAIRFORINST 4790.2_, Naval Aviation Maintenance Program (NAMP).

2.9.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

NAMP-2700 1.0 365 B,R,M (D) L

Goal. Describe the Maintenance In-Service Training Program.

Requirement. Identify and explain the purpose of the Maintenance In-Service Training Program.

Performance Standard. Given the reference and with supervision, explain the Maintenance In-Service Training.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2701 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Maintenance In-Service Training Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Maintenance In-Service Training Program audit process

Instructor. BI, SI

Prerequisite. 2700, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_

2. LCP

NAMP-2704 1.0 365 B,R,M (D) L

Goal. Describe the Foreign Object Damage (FOD) Prevention Program.

Requirement. Identify and explain the purpose of the Foreign Object Damage (FOD) Prevention Program.

Performance Standard. Given the reference and with supervision, explain the Foreign Object Damage (FOD) Prevention Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2705 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Foreign Object Damage (FOD) Prevention Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Foreign Object Damage (FOD) Prevention Program audit process

Instructor. BI, SI

Prerequisite. 2704, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2706 1.0 365 B,R,M (D) L

Goal. Describe the Tool Control Program.

Requirement. Identify and explain the purpose of the Tool Control Program.

Performance Standard. Given the reference and with supervision, explain the Tool Control Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2707 1.0 365 B,R,M (D) L

Goal. Demonstrate proper Tool Control Program Missing/Broken/Worn Tool Report procedures.

Requirement. Explain the purpose of the Missing/Broken/Worn Tool Report.

Performance Standard. Given a Missing/Broken/Worn Tool Report, explain the procedures for aMissing/Broken/Worn Tool Reportin accordance with the reference.

Instructor. BI, SI

Prerequisite. 2706

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2708 1.0 365 B,R,M (D) L

Goal.Perform a Computerized Self Evaluation Checklist (CSEC) on the Tool Control Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Tool Control Programaudit process

Instructor. BI, SI

Prerequisite. 2706, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2709 1.0 365 B,R,M (D) L

Goal. Describe the Corrosion Prevention and Control Program.

Requirement. Identify and explain the purpose of the Corrosion Prevention and Control Program.

Performance Standard. Given the reference and with supervision, explain the Corrosion Prevention and Control Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2710 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Corrosion Prevention and Control Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Corrosion Prevention and Control Program audit process

Instructor. BI, SI

Prerequisite. 2709, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2716 1.0 365 B,R,M (D) L

Goal. Describe the Naval Aviation Metrology and Calibration Program.

Requirement. Identify and explain the purpose of the Naval Aviation Metrology and Calibration Program.

Performance Standard. Given the reference and with supervision, explain the Naval Aviation Metrology and Calibration Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2717 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Naval Aviation Metrology and Calibration Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Naval Aviation Metrology and Calibration Program audit process

Instructor. BI, SI

Prerequisite. 2716, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2718 1.0 365 B,R,M (D) L

Goal. Describe the Hazardous Material Control and Management Program.

Requirement. Identify and explain the purpose of the Hazardous Material Control and Management Program.

Performance Standard. Given the reference and with supervision, explain the Hazardous Material Control and Management Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2719 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Hazardous Material Control and Management Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Hazardous Material Control and Management Program audit process

Instructor. BI, SI

Prerequisite. 2718, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2720 1.0 365 B,R,M (D) L

Goal. Describe the Electrostatic Discharge (ESD) Program.

Requirement. Identify and explain the purpose of the Electrostatic Discharge (ESD) Program.

Performance Standard. Given the reference and with supervision, explain the Electrostatic Discharge (ESD) Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2721 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Electrostatic Discharge (ESD) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Electrostatic Discharge (ESD) Program audit process

Instructor. BI, SI

Prerequisite. 2720, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2724 1.0 365 B,R,M (D) L

Goal. Describe the Technical Directive (TD) Compliance Program.

Requirement. Identify and explain the purpose of the TD Compliance Program.

Performance Standard. Given the reference and with supervision, explain the TD Compliance Program.

Instructor. BI, SI

Prerequisite. None

Instructor. BI, SI

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2725 1.0 365 B,R,M (D) L

Goal. Demonstrate proper Technical Directive (TD) Compliance Program procedures.

Requirement. Explain the purpose of the TDRouting and Tracking Sheet.

Performance Standard. Given a TD Routing and Tracking Sheet, complete aTDRouting and Tracking Sheet in accordance with the reference.

Instructor. BI, SI

Prerequisite. 2724

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2726 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Technical Directive (TD) Compliance Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Technical Directive (TD) Compliance Program audit process

Instructor. BI, SI

Prerequisite. 2724, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2727 1.0 365 B,R,M (D) L

Goal. Describe the Aircraft Maintenance Material Readiness List (AMMRL) Program.

Requirement. Identify and explain the purpose of the AMMRL Program.

Performance Standard. Given the reference and with supervision, explain the AMMRL Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2728 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Aircraft Maintenance Material Readiness List (AMMRL) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the AMMRL Programaudit process

Instructor. BI, SI

Prerequisite. 2727, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2731 1.0 365 B,R,M (D) L

Goal. Describe the Mobile Maintenance Facilities Program.

Requirement. Identify and explain the purpose of the Mobile Maintenance Facilities Program.

Performance Standard. Given the reference and with supervision, explain the Mobile Maintenance Facilities Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2732 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Mobile Maintenance Facilities Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Mobile Maintenance Facilities Program audit process

Instructor. BI, SI

Prerequisite. 2731, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2733 1.0 365 B,R,M (D) L

Goal. Describe the Central Technical Publications Library(CTPL) Program.

Requirement. Identify and explain the purpose of the CTPL Program.

Performance Standard. Given the reference and with supervision, explain the CTPL Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2734 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the CTPL Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the CTPL Program audit process

Instructor. BI, SI

Prerequisite. 2733, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2735 1.0 365 B,R,M (D) L

Goal. Describe the Maintenance Department/Division Safety Program.

Requirement. Identify and explain the purpose of the Maintenance Department/Division Safety Program.

Performance Standard. Given the reference and with supervision, explain the Maintenance Department/Division Safety Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2736 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Maintenance Department/Division Safety Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Maintenance Department/Division Safety Program audit process

Instructor. BI, SI

Prerequisite. 2735, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2737 1.0 365 B,R,M (D) L

Goal. Describe the Quality Assurance (QA) Program.

Requirement. Identify and explain the purpose of the QA Program.

Performance Standard. Given the reference and with supervision, explain the QAProgram.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2738 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the QAProgram.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the QA Program audit process

Instructor. BI, SI

Prerequisite. 2737, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2742 1.0 365 B,R,M (D) L

Goal. Describe the Quality Assurance Audit Program.

Requirement. Identify and explain the purpose of the Quality Assurance Audit Program.

Performance Standard. Given the reference and with supervision, explain the Quality Assurance Audit.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2743 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Quality Assurance Audit Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)

3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Quality Assurance Audit Program audit process

Instructor. BI, SI

Prerequisite. 2742, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2744 1.0 365 B,R,M (D) L

Goal. Describe the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Requirement. Identify and explain the purpose of the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Performance Standard. Given the reference and with supervision, explain the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2745 1.0 365 B,R,M (D) L

Goal. Navigate and use the Joint Discrepancy Reporting System (JDRS)

Requirement.

1. Draft and explain a Engineering Investigation (EI)
2. Draft and explain a Hazard Material Report (HR)
3. Draft and explain a Parts Quality Deficiency Report (PQDR)
4. Draft and explain a Acceptance Inspection Deficiency Report (AIDR)

Performance Standard. Given the reference and with supervision, demonstrate understanding and proficiency of the reports used under JDRS.

Instructor. BI, SI

Prerequisite. 2744

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2746 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program audit process

Instructor. BI, SI

Prerequisite. 2744, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2748 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Officer (QAO).

Requirement. Identify the responsibilities of the QAO

Performance Standard. Given the reference, explain the responsibilities of the QAO.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2749 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Representative (QAR).

Requirement. Identify the responsibilities of the QAR.

Performance Standard. Given the reference, explain the responsibilities of the QAR.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2750 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Collateral Duty Quality Assurance Representative (CDQAR).

Requirement. Identify the responsibilities of the CDQAR.

Performance Standard. Given the reference, explain the responsibilities of the CDQAR.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2751 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Collateral Duty Inspector (CDI).

Requirement. Identify the responsibilities of the CDI.

Performance Standard. Given the reference, explain the responsibilities of the CDI.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

NAMP-2752 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Supervisor (QAS).

Requirement. Identify the responsibilities of the QAS.

Performance Standard. Given the reference, explain the responsibilities of the QAS.

Instructor. BI, SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

2.10 MISSION SKILL TRAINING (3000)

2.10.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MATCD and ancillary equipment in order to accomplish the Marine Air Control Squadron (MACS) missions.

2.10.2 General.

2.10.2.1 Prerequisite. None

2.10.2.2 Admin Notes.

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

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

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

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

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

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

PAR NO.	STAGE NAME
2.10.3	DEPLOYMENT (DEPL)
2.10.4	NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)

2.10.3 DEPLOYMENT (DEPL)

2.10.3.1 Purpose. To teach the trainee to identify MATCD assets required to support the MACS mission and arrange for consumable supply support; and the characteristics of unit specific equipment, its emplacement and cabling.

2.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. CORE MINIMUM CREW

DEPL-3000 40.0 1095 B,R,M D L

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

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

1. Review operational requirements and develop an Equipment Density List (EDL)
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials (BOM).
4. Establish Contingency Support Packaging (CSP) requirements
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, CSP requirements for maintenance section deployment. Perform the embarkation of the maintenance section in support of a training exercise or operational deployment.

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

Instructor. SI, WTI

Prerequisite. 2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752, 3200

External Syllabus Support. None

Reference.
1. MCO 3120.6_
2. Applicable TMs

DEPL-3005 40.0 1095 B,R,M D L

Goal. Identify Operational Requirements.

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

1. Marine ATC weapons systems
2. Utilities equipment
   a. Air conditioners.
   b. Generators.
   c. Tactical vehicles
3. Personnel required.
   a. Identify minimum number of mission skilled maintainers per crew required to support the mission
   b. Identify minimum number of designated combat 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. Fuel requirements
7. Supply support required.
   a. Bill of Material (BOM) requirements.
   b. CSP requirements.
8. Frequencies required.
   a. Draft a frequency request.
9. Develop an Equipment Density List (EDL)
10. Draw a site layout plan to include power grid

11. Draft a brief covering addressing the deployment and emplacement plan to support the mission.
12. Submit the site layout and brief the plan.
13. Request NOTAMS via operations in order to conduct necessary planned or corrective maintenance.

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

1. 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 assistant maintenance officer.
4. Instructor will question the trainee during the brief to check for understanding of the planning process.

Instructor. SI, WTI

Prerequisite. 2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752, 3200

External Syllabus Support. None

Reference.
1. Planning MCWP 5-1
2. MOS Manual
3. COMNAVAIRFORINST 4790.2_
4. MCWP 3-25.8

DEPL-3010 8.0 1095 B,R,M (D) (L)

Goal. Design a site layout.

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

1. Conduct a site survey
2. Determine a primary and secondary site location
3. Analyze terrain to:
    a. Determine tactical orientation and equipment emplacement.
    b. Determine obstructions and hazards
    c. Determine communications requirements and obstacles
    d. Determine operational footprint
    e. Determine power and fuel requirements
    f. Determine the placement for vehicles
    g. Determine the placement for antennas
    h. Determine proper grounding system
    i. Determine protection from the elements
    j. Determine Terrain Masking

4. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity
5. Design a site layout
   a. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Fuels (HERF) regulations
   b. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Ordnance (HERO) regulations
   c. Ensure emitters are emplaced IAW Hazardous Electromagnetic Radiation to Personnel (HERP) regulations
   d. Ensure emitters are emplaced to support working area
6. Submit the site layout to the instructor for validation

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

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

Instructor. SI, WTI

Prerequisite. 2000, 2200, 2210, 2305, 3020

External Syllabus Support. None

Reference.
1. MCDP 6
2. MCWP 3-25.3
3. MCWP 3-25.4
4. MCWP 3-25.5
5. MCWP 3-25.6
6. MCWP 3-25.7
7. MCWP 3-25.8
8. MCWP 3-25.10
9. MCWP 5-1
10. IEEE C95.1-1991
11. NAVSHIPS 0967-317-7010
12. TM 9406-15
13. DODINST 6055.11
14. BUMED 6470.23
15. OPNAVINST 5100.23 Series
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

DEPL-3015 8.0 1095 B,R,M (D) (L)

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

Performance Standard. 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. SI, WTI

Prerequisite. 2000, 2200, 2210, 2305, 3010

External Syllabus Support. None

Reference.
1. MCO 4030.33
2. MCRP 4-11
3. MMO SOP
4. Agency-specific embarkation checklist

DEPL-3020 8.0 1460 B,R,M (D) (L)

Goal. Conduct a site survey

Requirement. Given a scenario, applicable references, a TO/E and mission statement, determine an appropriate site for system emplacement:

1. Utilize planning tools (EMPRO, FalconView, AMP, SPEED, etc.) to determine terrain masking and line of sight connectivity
2. Determine a primary and secondary site location
3. Identify obstructions and hazards
4. Determine tactical orientation and equipment emplacement
   a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations
   b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordinance (HERO) regulations
   c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations

d. Ensure emitters are emplaced to support working area
5. Identify the placement for vehicles
6. Identify the placement for antennas
7. Determine communications obstacles
8. Determine proper grounding system
9. Identify power and fuel requirements
10. Determine protection from the elements
11. Determine Terrain Masking
12. Determine operational footprint
13. Design a site layout and submit to the instructor
14. Develop a brief that addresses all event requirement items

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

Prerequisite. 2000

External Syllabus Support. None

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

2.10.4 NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)

2.10.4.1 Purpose. To provide the requisite working knowledge of the COMNAVIARFORINST 4790.2_, Naval Aviation Maintenance Program (NAMP) in order to accomplish the MACS missions.

2.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. CORE MINIMUM CREW

NAMP-3200 1.0 365 B,R,M (D) L

Goal. Given a mission, establish or maintain a Quality Assurance (QA) section.

Requirement.

1. Ensure sufficient:
   a. Quality Assurance Representative (QAR)
   b. Collateral Duty Assurance Representative (CDQAR)
   c. Collateral Duty Inspector (CDI)
2. Establish or maintain the QA managed programs
3. Monitor all applicable programs as determined by the Maintenance Officer
4. Verify all Critical Maintenance Requirement Checks are accomplished
5. Ensured all planned and corrective maintenance is verified by QA

Performance Standard. Given the reference, establish or maintain a QA section.

Instructor. SI, WTI

Prerequisite. 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

2.11 INSTRUCTOR UNDER TRAINING (IUT) (5000)

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

2.11.2 General.

2.11.2.1 Prerequisiste. None

2.11.2.2 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.

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

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

2.11.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

2.11.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

2.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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

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

2.12.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

2.12.2 General.

2.12.2.1 Prerequisiste. None

2.12.2.2 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.

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

PAR NO.	STAGE NAME
2.12.3	QUALIFICATION (QUAL)
2.12.4	DESIGNATION (DESG)
2.12.5	SCHOOL CODES (SCHL)

2.12.3 QUALIFICATIONS (QUAL) STAGE

2.12.3.1 Purpose. To provide for basic and advanced technician qualifications.

2.12.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

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

Crew Requirements. None

QUAL-6100 4.0 1095 B,R,M D L

Goal. Qualified Hazardous Material Control and Management Program Manager.

Requirement. Become qualified as the Hazardous Material Control and Management Program Manager.

Prerequisite. 2718, 2719, 3000, 6000

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

QUAL-6105 4.0 1095 B,R,M D L

Goal. Qualified Maintenance In-Service Training Program Manager.

Requirement. Become qualified as the Maintenance In-Service Training Program Manager.

Prerequisite. 2700, 2701, 3000, 6000

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

QUAL-6115 4.0 1095 B,R,M D L

Goal. Qualified Assistant Maintenance Officer (AMO)

Requirement. Become qualified as the Assistant Maintenance Officer.

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2500, 2505,

2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6000, 6100, 6105

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

2.12.4 DESIGNATIONS (DESG) STAGE

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

2.12.4.2 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-6200

Goal. Designated Hazardous Material Control and Management Program Manager.

Requirement. Become designated as the Hazardous Material Control and Management Program Manager by the Commanding Officer.

Prerequisite. 2718, 2719, 3000, 6000, 6100

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

DESG-6205

Goal. Designated Maintenance In-Service Training Program Manager.

Requirement. Become designated as the Maintenance In-Service Training Program Manager by the Maintenance Officer via the Monthly Maintenance Plan.

Prerequisite. 2700, 2701, 3000, 6000, 6105

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

DESG-6215

Goal. Designated Assistant Maintenance Officer.

Requirement. Become designated as the Assistant Maintenance Officer by the Maintenance Officer via the Monthly Maintenance Plan.

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6005, 6100, 6105, 6115

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

DESG-6220

Goal. Designation as a Aircraft Maintenance Material Readiness List (AMMRL) Program Mananger.

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

Prerequisite. 2434, 2727, 2728, 3200

Reference.
1. COMNAVAIRFORINST 4790.2_

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

DESG-6321

Goal. Designation as Senior Instructor (SI).

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

Prerequisite. 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320

DESG-6322

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

Requirement. Be certified by MAWTS-1 as a WTI, designated by the commanding officer in writing, appropriate entry made in M-SHARP and a letter filed in the IPR.

Prerequisite. SCHL-6000, graduate the MAWTS-1 WTI Course.

2.12.5 SCHOOL CODE (SCHL) STAGE

2.12.5.1 Purpose. To provide for school tracking codes used by MATC Maintenance Officers for training within this T&R chapter

2.12.5.2 General

Prerequisite. Refer to the individual schools for any prerequisites needed for attendance.

Admin Notes. None

Crew Requirements. None

COURSE NAME	LOCATION	CID/CIN	T&R CODE
Weapons and Tactics Instructor (WTI)Course	MCAS Yuma, AZ	M14P2A1	6000
MATC Maintenance Managers Course	NATTC, FL	N23KCM2	6031
Naval Aviation Maintenance Program Management	NAS Whiting Field, FL	N42P2M2	6075

2.13 AVIATION CAREER PROGRESSION MODEL (8000).

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

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

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

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

instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:
https://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**		1	2000
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000
ACPM	8007	MARINE UNMANNED AERIAL VEHICLE SQUADRON		4	2000
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000
ACPM	8020	**ACE**		1	3000
ACPM	8021	AVIATION OPERATIONS		4	3000
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	3000
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	3000
ACPM	8024	ASSAULT SUPPORT		4	3000
ACPM	8025	AIR RECONNAISSANCE		4	3000
ACPM	8026	ELECTRONIC WARFARE		4	3000
ACPM	8027	ANTI-AIR WARFARE		4	3000
ACPM	8028	AVIATION GROUND SUPPORT		4	2000
ACPM	8040	**THREAT**		1	4000
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	4000
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	4000
ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	4000
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	4000
ACPM	8060	**MAGTF**		1	3000
ACPM	8061	GROUND COMBAT OPERATIONS		4	3000
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	3000
ACPM	8063	MAGTF COMMAND AND CONTROL		4	2000
ACPM	8064	MAGTF COMMUNICATIONS		4	3000
ACPM	8065	PHASING CONTROL ASHORE		4	3000
ACPM	8066	INFORMATION MANAGEMENT		4	3000
ACPM	8067	UAS SUPPORT TO THE MAGTF		4	3000

ACPM	8080	JOINT AIR OPERATIONS		1	3000
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000
ACPM	8083	JOINT FIRE SUPPORT		4	3000
ACPM	8084	CLOSE AIR SUPPORT		4	3000
ACPM	8085	JOINT TARGETING		4	3000
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000
		TOTAL ACPM STAGE	40	145	

2.14 T&R ATTAIN AND MAINTAIN TABLES

ATC MAINTENANCE MOS 5950											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Familiarization with power sources	ORNT	2000	1095	ORNT	2000	ORNT	2000	ORNT	2000	-	-
Identify and explain destructive weather plan	ORNT	2005	365	ORNT	2005	ORNT	2005	ORNT	2005	-	-
Site familiarization	ORNT	2010	1095	ORNT	2010	ORNT	2010	ORNT	2010	-	-
Complete NAVOSH	FAS	2055	365	FAS	2055	FAS	2055	FAS	2055	2000, 2005, 2010	-
Describe proper handling and storage of classified materials	SEC	2300	365	SEC	2300	SEC	2300	SEC	2300	MCI 2525	-
Ensure physical security of areas	SEC	2305	365	SEC	2305	SEC	2305	SEC	2305	MCI 2525, 2600	-
Conduct crew changeover security procedures	SEC	2310	365	SEC	2310	SEC	2310	SEC	2310	MCI 2525	-
Extract keying material information from COMSEC call out	SEC	2315	365	SEC	2315	SEC	2315	SEC	2315	MCI 2525, 2600	-
Assess Maintenance Funding	MMGT	2400	*	MMGT	2400					-	-
Reconcile MIMMS	MMGT	2402	1095	MMGT	2402	MMGT	2402	MMGT	2402	-	-
Identify Funding Lines	MMGT	2404	1095	MMGT	2404	MMGT	2404	MMGT	2404	-	-
Marince Corps Urgent Needs Process	MMGT	2406	1095	MMGT	2406	MMGT	2406	MMGT	2406	-	-
Submit a TOECR	MMGT	2408	1095	MMGT	2408	MMGT	2408	MMGT	2408	-	-
COSAL Validation/Verification	MMGT	2410	1095	MMGT	2410	MMGT	2410	MMGT	2410	-	-
Review and submit Naval Messages	MMGT	2412	1095	MMGT	2412	MMGT	2412	MMGT	2412	-	-
Verify SOVT	MMGT	2414	1095	MMGT	2414	MMGT	2414	MMGT	2414	-	-
Managing blue dollar funding	MMGT	2416	1095	MMGT	2416	MMGT	2416	MMGT	2416	-	-

Idenify float process	MMGT	2418	1095	MMGT	2418	MMGT	2418	MMGT	2418	-	-
Understand TFSMS	MMGT	2420	1095	MMGT	2420	MMGT	2420	MMGT	2420	-	-
Identify frequency request process	MMGT	2422	1095	MMGT	2422	MMGT	2422	MMGT	2422	-	-
Identify MLG sections	MMGT	2424	1095	MMGT	2424	MMGT	2424	MMGT	2424	-	-
Identify MACCS data links	MMGT	2426	1095	MMGT	2426	MMGT	2426	MMGT	2426	-	-
Understand T & R processes	MMGT	2428	1095	MMGT	2428	MMGT	2428	MMGT	2428	MarineNet Course UT01A0	-
Conduct CMR review	MMGT	2430	1095	MMGT	2430	MMGT	2430	MMGT	2430	-	-
WIR procedures	MMGT	2432	1095	MMGT	2432	MMGT	2432	MMGT	2432	2420	-
Explain NAMP programs	MMGT	2434	1095	MMGT	2434	MMGT	2434	MMGT	2434	2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752	-
Coordinate with ATC ops to perfrom maintenance	DEPL	2500	365	DEPL	2500	DEPL	2500	DEPL	2500	-	-
Explain purpose of FAA flight expansion	DEPL	2505	365	DEPL	2505	DEPL	2505	DEPL	2505	-	-
Explain different types of flight inspections	DEPL	2510	365	DEPL	2510	DEPL	2510	DEPL	2510	-	-
Conduct MATCD site evaluation	DEPL	2515	365	DEPL	2515	DEPL	2515	DEPL	2515	-	-
Explain BOM	DEPL	2520	365	DEPL	2520	DEPL	2520	DEPL	2520	-	-
Create EDL	DEPL	2525	365	DEPL	2525	DEPL	2525	DEPL	2525	-	-
Maintenance and custody of voice data recordings	DEPL	2530	365	DEPL	2530	DEPL	2530	DEPL	2530	-	-
Describe the maintenance in service training program	NAMP	2700	365	NAMP	2700	NAMP	2700	NAMP	2700	-	-
Perfrom the maintenance in service training CSEC	NAMP	2701	365	NAMP	2701	NAMP	2701	NAMP	2701	2700, 2747	-

Describe the FOD program	NAMP	2704	365	NAMP	2704	NAMP	2704	NAMP	2704	-	-
Perform FOD CSEC	NAMP	2705	365	NAMP	2705	NAMP	2705	NAMP	2705	2704, 2747	-
Describe TCP	NAMP	2706	365	NAMP	2706	NAMP	2706	NAMP	2706	-	-
Demonstrate TCP missing/broken/worn report procedures	NAMP	2707	365	NAMP	2707	NAMP	2707	NAMP	2707	2706	-
Perform TCP CSEC	NAMP	2708	365	NAMP	2708	NAMP	2708	NAMP	2708	2706, 2747	-
Describe corrosion control prevention program	NAMP	2709	365	NAMP	2709	NAMP	2709	NAMP	2709	-	-
Perfrom corrosion control CSEC	NAMP	2710	365	NAMP	2710	NAMP	2710	NAMP	2710	2709, 2747	-
Describe METCAL program	NAMP	2716	365	NAMP	2716	NAMP	2716	NAMP	2716	-	-
Perfrom METCAL CSEC	NAMP	2717	365	NAMP	2717	NAMP	2717	NAMP	2717	2716, 2747	-
Describe HAZMAT Program	NAMP	2718	365	NAMP	2718	NAMP	2718	NAMP	2718	-	-
Perform HAZMAT program CSEC	NAMP	2719	365	NAMP	2719	NAMP	2719	NAMP	2719	2718, 2747	-
Describe ESD program	NAMP	2720	365	NAMP	2720	NAMP	2720	NAMP	2720	-	-
Perform ESD CSEC	NAMP	2721	365	NAMP	2721	NAMP	2721	NAMP	2721	2720, 2747	-
Describe TD compliance program	NAMP	2724	365	NAMP	2724	NAMP	2724	NAMP	2724	-	-
Demonstrate proper TD compliance procedures	NAMP	2725	365	NAMP	2725	NAMP	2725	NAMP	2725	2724	-
Perfrom TD CSEC	NAMP	2726	365	NAMP	2726	NAMP	2726	NAMP	2726	2724, 2747	-
Describe the AMMRL program	NAMP	2727	365	NAMP	2727	NAMP	2727	NAMP	2727	-	-
Perfrom AMMRL CSEC	NAMP	2728	365	NAMP	2728	NAMP	2728	NAMP	2728	2727, 2747	-
Describe MF program	NAMP	2731	365	NAMP	2731	NAMP	2731	NAMP	2731	-	-
Perfrom MF CSEC	NAMP	2732	365	NAMP	2732	NAMP	2732	NAMP	2732	2731, 2747	-
Describe CTPL program	NAMP	2733	365	NAMP	2733	NAMP	2733	NAMP	2733	-	-
Perform CTPL CSEC	NAMP	2734	365	NAMP	2734	NAMP	2734	NAMP	2734	2733, 2747	-
Describe maintenance safety program	NAMP	2735	365	NAMP	2735	NAMP	2735	NAMP	2735	-	-
Perfrom maintenance safety CSEC	NAMP	2736	365	NAMP	2736	NAMP	2736	NAMP	2736	2735, 2747	-
Describe QA program	NAMP	2737	365	NAMP	2737	NAMP	2737	NAMP	2737	-	-

Perform CSEC on QA program	NAMP	2738	365	NAMP	2738	NAMP	2738	NAMP	2738	2737, 2747	-
Describe the QA audit program	NAMP	2742	365	NAMP	2742	NAMP	2742	NAMP	2742	-	-
Perform QA CSEC	NAMP	2743	365	NAMP	2743	NAMP	2743	NAMP	2743	2742, 2747	-
Describe the NAMDRP Program	NAMP	2744	365	NAMP	2744	NAMP	2744	NAMP	2744	-	-
Navigate the JDRS system	NAMP	2745	365	NAMP	2745	NAMP	2745	NAMP	2745	2744	-
Perform NAMDRP CSEC	NAMP	2746	365	NAMP	2746	NAMP	2746	NAMP	2746	2744, 2747	-
Explain the responsibilities of a QAO	NAMP	2748	365	NAMP	2748	NAMP	2748	NAMP	2748	-	-
Explain the responsibilities of the QAR	NAMP	2749	365	NAMP	2749	NAMP	2749	NAMP	2749	-	-
Explain the responsibilities of the CDQAR	NAMP	2750	365	NAMP	2750	NAMP	2750	NAMP	2750	-	-
Explain the responsibilities of the CDI	NAMP	2751	365	NAMP	2751	NAMP	2751	NAMP	2751	-	-
Explain the responsibilites of a QAS	NAMP	2752	365	NAMP	2752	NAMP	2752	NAMP	2752	-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Deploy maintenance section	DEPL	300R	1095	DEPL	300R	DEPL	300R	DEPL	300R	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2450, 2751, 2752, 3200	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752
Identify operational requirements		3005R	1095		3005R		3005R		3005R	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2450, 2751, 2752, 3200	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752

Design a site layout		3010R	1095		3010R		3010R		3010R	2000, 2200, 2210, 2305, 3020	2000, 2200, 2210, 2305, 3020
Develop an embarkation plan		3015R	1095		3015R		3015R		3015R	2000, 2200, 2210, 2305, 3010	2000, 2200, 2210, 2305, 3010
Conduct a site survey		3020R	1095		3020R		3020R		3020R	2000	2000
Establish or maintain a Quality Assurance (QA) Section	NAMP	3200R	1095	NAMP	3200R	NAMP	3200R	NAMP	3200R	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752	-

2.15 T&R SYLLABUS MATRIX

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX

STAGE	EVENT CODE	EVENT TITLE	POI	E	DEVICE TYPE	DEVICE #	DEVICE OPTION	COND	REELY	GROUND/ ACADEMIC EVENTS #	GROUND/ ACADEMIC EVENTS TIME	SIM EVENTS #	SIM EVENTS TIME	LIVE EVENTS #	LIVE EVENTS TIME	PREREQ	NOTES	CHAIN	EVENT CONV
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
MMWO	1000	Evaluate the MATCD work centers attributes, and its integration into the MATCD, and the MACCS, using applicable references	B	E	G	-	-	-	*		14		0		0	-	-	-	-
MMWO	1005	Manage MATCD Supply Functions using applicable references	B	E	G	-	-	-	*		12		0		0	-	-	-	-
MMWO	1010	Manage MATCD Maintenance Data Systems (MDS) using applicable software and references	B	E	G	-	-	-	*		11		0		0	-	-	-	-
MMWO	1015	Manage MATCD maintenance programs in accordance with Naval Aviation Maintenance Program (NAMP)	B	E	G	-	-	-	*		35		0		0	-	-	-	-
MMWO	1020	Manage the deployment of MATCD work center assets in accordance with applicable references	B	E	G	-	-	-	*		8		0		0	-	-	-	-
TOTAL CORE SKILL INTRODUCTION (1000 PHASE EVENTS)										5	80	0	0	0	0				
CORE SKILL TRAINING (2000 PHASE EVENTS)																			
ORIENTATION (ORNT)																			
ORNT	2000	Familiarization with power sources	B, R, M	-	L	-	-	D	1095		0		0		1	-	-	-	-
ORNT	2005	Identify and explain destructive weather plan	B, R, M	-	L	-	-	D	365		0		0		1	-	-	-	-
ORNT	2010	Site familiarization	B, R, M	-	L	-	-	D	1095		0		0		1	-	-	-	-
TOTAL ORIENTATION (ORNT)										0	0	0	0	3	3				
FIRST AID/SAFETY (FAS)																			
FAS	2055	Complete NAVOSH	B,R,M	-	L	-	-	D	365		0		0		8	2000, 2005, 2010	-	-	-
TOTAL FIRST AID/SAFETY (FAS)										0	0	0	0	1	8				

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																					
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
SECURITY (SEC)																			
SEC	2300	Describe proper handling and storage of classified materials	B, R, M	-	L	-	-	D	365		0		0		5	MCI 2525	-	-	-
SEC	2305	Ensure physical security of areas	B, R, M	-	L	-	-	D	365		0		0		5	MCI 2525, 2600	-	-	-
SEC	2310	Conduct crew changeover security procedures	B, R, M	-	L	-	-	D	365		0		0		5	MCI 2525	-	-	-
SEC	2315	Extract keying material information from COMSEC call out	B, R, M	-	L	-	-	D	365		0		0		5	MCI 2525, 2600	-	-	-
TOTAL SECURITY (SEC)										0	0	0	0	4	20				
MAINTENANCE MANAGEMENT (MGMT)																			
MMGT	2400	Assess Maintenance Funding	B	-	L	-	-	D	*		0		0		3	-	-	-	-
MMGT	2402	Reconcile MIMMS	B,R,M	-	L	-	-	D	1095		0		0		8	-	-	-	-
MMGT	2404	Identify Funding Lines	B,R,M	-	L	-	-	D	1095		0		0		2	-	-	-	-
MMGT	2406	Marince Corps Urgent Needs Process	B,R,M	-	L	-	-	D	1095		0		0		2	-	-	-	-
MMGT	2408	Submit a TOECR	B,R,M	-	L	-	-	D	1095		0		0		16	-	-	-	-
MMGT	2410	COSAL Validation/Verification	B,R,M	-	L	-	-	D	1095		0		0		4	-	-	-	-
MMGT	2412	Review and submit Naval Messages	B,R,M	-	L	-	-	D	1095		0		0		1	-	-	-	-
MMGT	2414	Verify SOVT	B,R,M	-	L	-	-	D	1095		0		0		1	-	-	-	-
MMGT	2416	Managing blue dollar funding	B,R,M	-	L	-	-	D	1095		0		0		1	-	-	-	-
MMGT	2418	Idenify float process	B,R,M	-	L	-	-	D	1095		0		0		0.5	-	-	-	-
MMGT	2420	Understand TFSMS	B,R,M	-	L	-	-	D	1095		0		0		2	-	-	-	-
MMGT	2422	Identify frequency request process	B,R,M	-	L	-	-	D	1095		0		0		1	-	-	-	-
MMGT	2424	Identify MLG sections	B,R,M	-	L	-	-	D	1095		0		0		2	-	-	-	-
MMGT	2426	Identify MACCS data links	B,R,M	-	L	-	-	D	1095		0		0		4	-	-	-	-
MMGT	2428	Understand T & R processes	B,R,M	-	L	-	-	D	1095		0		0		2	MarineNet Course UT01A0	-	-	-
MMGT	2430	Conduct CMR review	B,R,M	-	L	-	-	D	1095		0		0		4	-	-	-	-
MMGT	2432	WIR procedures	B,R,M	-	L	-	-	D	1095		0		0		2	2420	-	-	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REELY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MMGT	2434	Explain NAMP programs	B,R,M	-	L	-	-	D	1095		0		0		2	2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MGMT)										0	0	0	0	18	8				
DEPLOYMENT (DEPL)																			
DEPL	2500	Coordinate with ATC ops to perfrom maintenance	B,R,M	-	L	-	-	D	365		0		0		5	-	-	-	-
DEPL	2505	Explain purpose of FAA flight expansion	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
DEPL	2510	Explain different types of flight inspections	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
DEPL	2515	Conduct MATCD site evaluation	B,R,M	-	L	-	-	D	365		0		0		5	-	-	-	-
DEPL	2520	Explain BOM	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
DEPL	2525	Create EDL	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
DEPL	2530	Maintenance and custody of voice data recordings	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
TOTAL DEPLOYMENT (DEPL)										0	0	0	0	7	15				
QUALITY ASSURANCE (NAMP)																			
NAMP	2700	Describe the maintenance in service training program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2701	Perfrom the maintenance in service training CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2700, 2747	-	-	-
NAMP	2704	Describe the FOD program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2705	Perform FOD CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2704, 2747	-	-	-
NAMP	2706	Describe TCP	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2707	Demonstrate TCP missing/broken/worn report procedures	B,R,M	-	L	-	-	D	365		0		0		1	2706	-	-	-
NAMP	2708	Perform TCP CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2706, 2747	-	-	-
NAMP	2709	Describe corrosion control prevention program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX

STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
NAMP	2710	Perfrom corrosion control CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2709, 2747	-	-	-
NAMP	2716	Describe METCAL program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2717	Perfrom METCAL CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2716, 2747	-	-	-
NAMP	2718	Describe HAZMAT Program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2719	Perform HAZMAT program CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2718, 2747	-	-	-
NAMP	2720	Describe ESD program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2721	Perform ESD CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2720, 2747	-	-	-
NAMP	2724	Describe TD compliance program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2725	Demonstrate proper TD compliance procedures	B,R,M	-	L	-	-	D	365		0		0		1	2724	-	-	-
NAMP	2726	Perfrom TD CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2724, 2747	-	-	-
NAMP	2727	Describe the AMMRL program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2728	Perfrom AMMRL CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2727, 2747	-	-	-
NAMP	2731	Describe MF program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2732	Perfrom MF CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2731, 2747	-	-	-
NAMP	2733	Describe CTPL program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2734	Perform CTPL CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2733, 2747	-	-	-
NAMP	2735	Describe maintenance safety program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2736	Perfrom maintenance safety CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2735, 2747	-	-	-
NAMP	2737	Describe QA program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2738	Perform CSEC on QA program	B,R,M	-	L	-	-	D	365		0		0		1	2737, 2747	-	-	-
NAMP	2742	Describe the QA audit program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2743	Perform QA CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2742, 2747	-	-	-
NAMP	2744	Describe the NAMDRP Program	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2745	Navigate the JDRS system	B,R,M	-	L	-	-	D	365		0		0		1	2744	-	-	-
NAMP	2746	Perform NAMDRP CSEC	B,R,M	-	L	-	-	D	365		0		0		1	2744, 2747	-	-	-
NAMP	2748	Explain the responsibilities of a QAO	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2749	Explain the responsibilities of the QAR	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
NAMP	2750	Explain the responsibilities of the CDQAR	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2751	Explain the responsibilities of the CDI	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
NAMP	2752	Explain the responsibilites of a QAS	B,R,M	-	L	-	-	D	365		0		0		1	-	-	-	-
TOTAL QUALITY ASSURANCE (NAMP)										0	0	0	0	53	53				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0	0	0	86	107				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
DEPLOYMENT (DEPL)																			
DEPL	3000	Deploy maintenance section	B,R,M	-	L	-	-	-	1095		0		0		40	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2450, 2751, 2752, 3200	-	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DEPL	3005	Identify operational requirements	B,R,M	-	L	-	-	-	1095		0		0		40	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2450, 2751, 2752, 3200	-	2000, 2300, 2305, 2310, 2315, 2320, 2205, 2210, 2200, 2400, 2402, 2404, 2406, 2408, 2416, 2418, 2420, 2422, 2424, 2426, 2430, 2434, 2440, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2748, 2749, 2750, 2751, 2752	-
DEPL	3010	Design a site layout	B,R,M	-	L	-	-	-	1095		0		0		8	2000, 2200, 2210, 2305, 3020	-	2000, 2200, 2210, 2305, 3020	-
DEPL	3015	Develop an embarkation plan	B,R,M	-	L	-	-	-	1095		0		0		8	2000, 2200, 2210, 2305, 3010	-	2000, 2200, 2210, 2305, 3010	-
DEPL	3020	Conduct a site survey	B,R,M	-	L	-	-	-	1095		0		0		8	2000	-	2000	-
TOTAL DEPLOYMENT (DEPL)										0	0	0	0	5	104				
NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)																			

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
NAMP	3200	Establish or maintain a Qwuality Assurance (QA) Section	B,R,M	-	L	-	-	-	1095		0		0		1	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752	-	-	-
TOTAL NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)										0	0	0	0	1	1				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0	0	0	6	105				
TOTAL 2000, 3000, AND 4000 PHASE										0	0	0	0	92	212				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1	Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2	Recommended by SI or WTI	-	-	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
SCHOOL CODES (SCHL)																			
SCHL	6000	Weapons and Tactics Instructor Course	B	-	L	-	-	D	*		0		0		1	-	-	-	-
SCHL	6031	MATC Maintenance Manager's Course	B	-	L	-	-	D	*		0		0		1	-	-	-	-
SCHL	6075	Naval Aviation Maintenance Officer Detachment Officer Familiarization	B	-	L	-	-	D	*		0		0		1	-	-	-	-
TOTAL SCHOOL CODES (SCHL)										0	0	0	0	3	3				
QUALIFICATIONS (QUAL)																			
QUAL	6100	HAZMAT Program Manager	B,R,M	-	L	-	-	D	1095		0		0		4	2718, 2719, 3000, 6000	-	-	-
QUAL	6105	Maintenance Training Program Manager	B,R,M	-	L	-	-	D	1095		0		0		4	2700, 2701, 3000, 6000	-	-	-

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX

STAGE	EVENT CODE	EVENT TITLE	POI	E	DEVICE TYPE	DEVICE #	DEVICE OPTION	COND	REFLY	GROUND/ ACADEMIC EVENTS #	GROUND/ ACADEMIC EVENTS TIME	SIM EVENTS #	SIM EVENTS TIME	LIVE EVENTS #	LIVE EVENTS TIME	PREREQ	NOTES	CHAIN	EVENT CONV
QUAL	6115	Assistant Maintenance Officer	B,R,M	-	L	-	-	D	1095		0		0		4	2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6000, 6100, 6105,	-	-	-
TOTAL QUALIFICATIONS STATE (QUAL)										0	0	0	0	3	12				
DESIGNATIONS (DESG)																			

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6200	Designated as HAZMAT Program Manager	B	-	L	-	-	D	*		0		0		1	2718, 2719, 3000, 6000, 6100			
DESG	6205	Designated as Maintenance Training Program Manager	B	-	L	-	-	D	*		0		0		1	2700, 2701, 3000, 6000, 6105			

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX

STAGE	EVENT CODE	EVENT TITLE	POI	E	DEVICE TYPE	DEVICE #	DEVICE OPTION	COND	REFLY	GROUND/ ACADEMIC EVENTS #	GROUND/ ACADEMIC EVENTS TIME	SIM EVENTS #	SIM EVENTS TIME	LIVE EVENTS #	LIVE EVENTS TIME	PREREQ	NOTES	CHAIN	EVENT CONV
DESG	6215	Designated as Assistant Maintenance Officer	B	-	L	-	-	D	*		0		0		1	2000, 2005, 2010, 2055, 2060, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 3000, 3005, 3010, 3015, 3020, 3200, 6005, 6100, 6105, , 6115			
DESG	6220	Designation as a Aircraft Maintenance Material Readiness List (AMMRL) Program Mananger	B	-	L	-	-	D	*		0		0		1	2434, 2727, 2728, 3200			

ATC MAINTENANCE MOS 5950 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6320	Designated as a Basic Instructor (BI)	B	-	L	-	-	D	*		0		0		1	5000, 5010, 5020			
DESG	6321	Designated as a Senior Instructor (SI)	B	-	L	-	-	D	*		0		0		1	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6320			
DESG	6322	Designated as a Weapons and Tactics Instructor (WTI)	B	-	L	-	-	D	*		0		0		1	6000			
TOTAL DESIGNATIONS STAGE (DESG)										0	0	0	0	7	7				
TOTAL REQUIREMENTS, QUALIFICATIONS, CERTIFCATIONS, AND DESIGNATIONS PHASE (RQCD)										0	0	0	0	14	22				

2.16 SYLLABUS EVALUATION FORMS. 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.

https://www.intranet.tecom.usmc.mil/sites/mawts1/C3%20Course%20Catalog/C3%20Course%20Catalog%20(May%202011).pdf

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

CHAPTER 3
MATC NAVIGATIONAL AIDS TECHNICIAN/MOS 5952
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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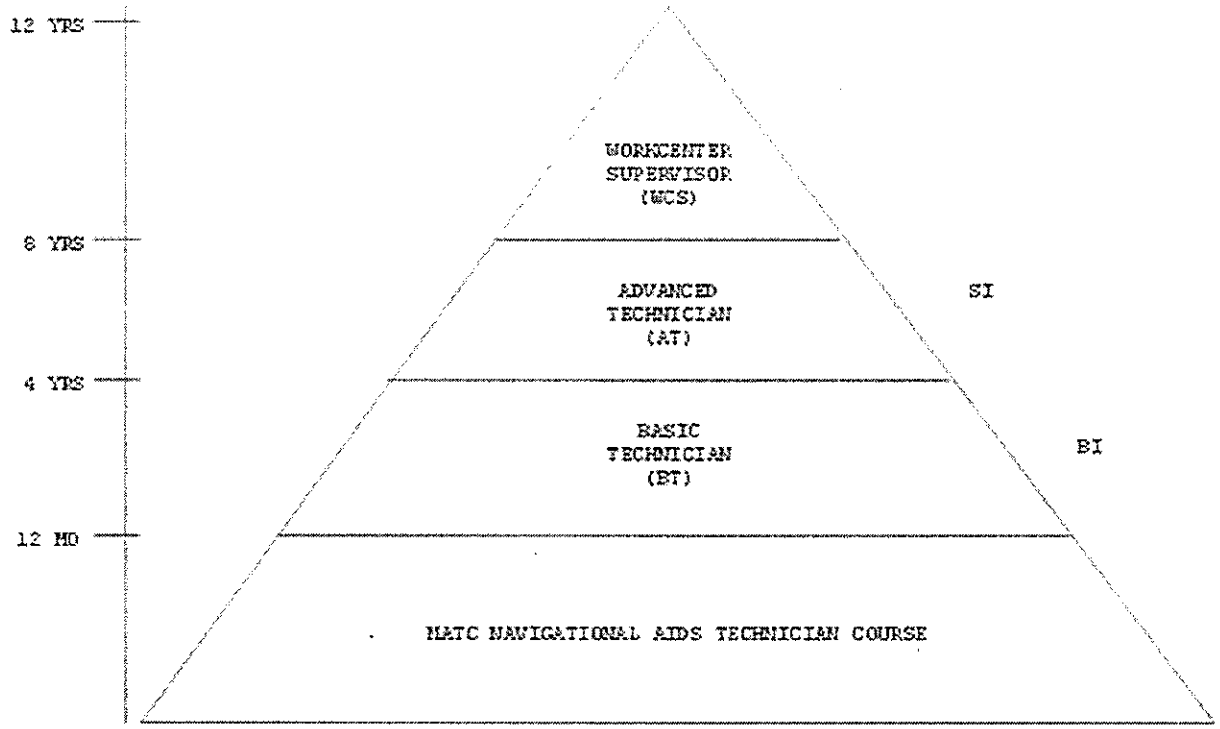
CHAPTER 3
MATC CONTROL NAVIGATIONAL AIDS TECHNICIAN/MOS 5952
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

3.0 5952 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 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Navigational Aids System crewmember. Units should use the model as a point of departure to generate individual training plans.



3.2 ABBREVIATIONS

ATC MAINTENANCE MOS 5952	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
ORNT	ORIENTATION
FAS	FIRST AID/SAFETY
TMDE	TEST MEASUREMENT DIAGNOSTICS EQUIPMENT
EQPT	EQUIPMENT
SEC	COMMUNICATION SECURITY

MMGT	MAINTENANCE MANAGEMENT
DEPL	DEPLOYMENT
ORGS	ORGANIZATIONAL STRUCTURE
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
NAV	NAVIGATIONAL AIDS
MMTM	MARINE AIR TRAFFIC CONTROL MOBILE TEAM MEMBER
TDL	TACTICAL DATA LINKS
MISSION SKILL (3000 Phase)	
NAV	NAVIGATIONAL AIDS
DEPL	DEPLOYMENT
MMTM	MARINE AIR TRAFFIC CONTROL MOBILE TEAM MEMBER
NAMP	NAVAL AVIATION MAINTENANCE PROGRAM
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
WTI	WEAPONS AND TACTICS INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
NBT	NAVIGATIONAL AIDS BASIC TECHNICIAN
NAT	NAVIGATIONAL AIDS ADVANCED TECHNICIAN
CDI	COLLATERAL DUTY INSPECTOR
CDQAR	COLLATERAL DUTY QUALITY ASSURANCE REPRESENTATIVE
QAR	QUALITY ASSURANCE REPERESENTATIVE
QAS	QUALITY ASSURANCE SUPERVISOR
MITPM	MAINTENANCE IN-SERVICE TRAINING PROGRAM MONITOR
FODPP	FOREIGN OBJECT DEBRIS PREVENTION PROGRAM
FODPPM	FOREIGN OBJECT DEBRIS PREVENTION PROGRAM MONITOR
TCPM	TOOL CONTROL PROGRAM MONITOR
CPCPM	CORROSION PREVENTION AND CONTROL PROGRAM MONITOR/MANAGER
METCALPM	NAVAL AVIATION METEOROLOGY AND CALIBRATION PROGRAM MONITOR/MANAGER
HAZMATSMPM	HAZARDOUS MATERIAL CONTROL AND MANAGEMENT PROGRAM MONITOR
ESDPM	ELECTROSTATIC DISCHARGE PROGRAM MONITOR/MANAGER
TDCPM	TECHNICAL DIRECTIVE COMPLIANCE PROGRAM MONITOR
WCS	NAVIGATIONAL AIDS WORK CENTER SUPERVISOR

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.

ATC MAINTENANCE MOS 5952					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
CORE SKILL (2000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
ORNT	2000R	ORNT	2000R	ORNT	2000R
	2005R		2005R		2005R
	2010R		2010R		2010R
FAS	2055R	FAS	2055R	FAS	2055R
	2060R		2060R		2060R
TMDE	2100R	TMDE	2100R	TMDE	2100R
	2105R		2105R		2105R
	2110R		2110R		2110R
	2115R		2115R		2115R
	2120R		2120R		2120R
	2125R		2125R		2125R
	2135R		2135R		2135R
	2140R		2140R		2140R
	2145R		2145R		2145R
	2150R		2150R		2150R
	2155R		2155R		2155R
	2160R		2160R		2160R
	2165R		2165R		2165R
	2170R		2170R		2170R
	2175R		2175R		2175R
	2180R		2180R		2180R
EQPT	2200R	EQPT	2200R	EQPT	2200R
	2205R		2205R		2205R
	2210R		2210R		2210R
SEC	2300R	SEC	2300R	SEC	2300R
	2305R		2305R		2305R
	2310R		2310R		2310R
	2315R		2315R		2315R
	2320R		2320R		2320R
MMGT	2400R	MMGT	2400R	MMGT	2400R
	2402R		2402R		2402R
	2404R		2404R		2404R

2406R	2406R	2406R
2408R	2408R	2408R
2410R	2410R	2410R
2412R	2412R	2412R
2414R	2414R	2414R
2416R	2416R	2416R
2418R	2418R	2418R
2420R	2420R	2420R
2422R	2422R	2422R
2424R	2424R	2424R
2426R	2426R	2426R
2428R	2428R	2428R
2430R	2430R	2430R
2432R	2432R	2432R
2434R	2434R	2434R
2436R	2436R	2436R
2438R	2438R	2438R
2440R	2440R	2440R
2442R	2442R	2442R
2444R	2444R	2444R
2446R	2446R	2446R
2448R	2448R	2448R
2450R	2450R	2450R
2452R	2452R	2452R
2454R	2454R	2454R
2456R	2456R	2456R
2458R	2458R	2458R
2460R	2460R	2460R
2462R	2462R	2462R
2464R	2464R	2464R
2466R	2466R	2466R
2468R	2468R	2468R
2470R	2470R	2470R
2472R	2472R	2472R
2474R	2474R	2474R
2476R	2476R	2476R
2478R	2478R	2478R
2480R	2480R	2480R
2482R	2482R	2482R
2484R	2484R	2484R
2486R	2486R	2486R

	2488R		2488R		2488R
	2490R		2490R		2490R
	2492R		2492R		2492R
DEPL	2500R	DEPL	2500R	DEPL	2500R
	2505R		2505R		2505R
	2510R		2510R		2510R
	2515R		2515R		2515R
	2520R		2520R		2520R
	2525R		2525R		2525R
	2530R		2530R		2530R
ORGS	2600				
NAMP	2700R	NAMP	2700R	NAMP	2700R
	2701R		2701R		2701R
	2704R		2704R		2704R
	2705R		2705R		2705R
	2706R		2706R		2706R
	2707R		2707R		2707R
	2708R		2708R		2708R
	2709R		2709R		2709R
	2710R		2710R		2710R
	2716R		2716R		2716R
	2717R		2717R		2717R
	2718R		2718R		2718R
	2719R		2719R		2719R
	2720R		2720R		2720R
	2721R		2721R		2721R
	2724R		2724R		2724R
	2725R		2725R		2725R
	2726R		2726R		2726R
	2727R		2727R		2727R
	2728R		2728R		2728R
	2731R		2731R		2731R
	2732R		2732R		2732R
	2733R		2733R		2733R
	2734R		2734R		2734R
	2735R		2735R		2735R
	2736R		2736R		2736R
	2737R		2737R		2737R
	2738R		2738R		2738R
	2742R		2742R		2742R
	2743R		2743R		2743R

	2744R		2744R		2744R
	2745R		2745R		2745R
	2746R		2746R		2746R
	2748R		2748R		2748R
	2749R		2749R		2749R
	2750R		2750R		2750R
	2751R		2751R		2751R
	2752R		2752R		2752R
	2753R		2753R		2753R
NAV	2800	NAV		NAV	
	2802R		2802R		2802R
	2804R		2804R		2804R
	2806R		2806R		2806R
	2808R		2808R		2808R
	2810R		2810R		2810R
	2812R		2812R		2812R
	2814R		2814R		2814R
	2816R		2816R		2816R
	2818R		2818R		2818R
	2820R		2820R		2820R
	2822R		2822R		2822R
	2824R		2824R		2824R
	2826R		2826R		2826R
	2828R		2828R		2828R
	2830R		2830R		2830R
	2832R		2832R		2832R
	2834				
	2836R		2836R		2836R
	2838R		2838R		2838R
	2840R		2840R		2840R
	2842R		2842R		2842R
	2844R		2844R		2844R
	2846R		2846R		2846R
	2848R		2848R		2848R
	2850R		2850R		2850R
	2852R		2852R		2852R
	2854R		2854R		2854R
	2856R		2856R		2856R
	2858R		2858R		2858R
	2860R		2860R		2860R
	2862R		2862R		2862R

	2864R		2864R		2864R
	2866R		2866R		2866R
	2868R		2868R		2868R
	2870R		2870R		2870R
	2872R		2872R		2872R
	2874R		2874R		2874R
	2876R		2876R		2876R
	2878R		2878R		2878R
MMTM	2900R	MMTM	2900R	MMTM	2900R
	2905R		2905R		2905R
	2910R		2910R		2910R
	2915R		2915R		2915R
TDL	2955				
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
NAV	3000R	NAV	3000R	NAV	3000R
	3005R		3005R		3005R
	3010				
	3015				
DEPL	3200R	DEPL	3200R	DEPL	3200R
	3205R		3205R		3205R
	3210R		3210R		3210R
NAMP	3300R	NAMP	3300R	NAMP	3300R
	3305R		3305R		3305R
MMTM	3100R	MMTM	3100R	MMTM	3100R
	3105R		3105R		3105R
	3110				
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

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

3.5.1 INSTRUCTOR DESIGNATIONS

ATC MAINTENANCE MOS 5952 INSTRUCTOR DESIGNATIONS (5000 Phase)

INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	5000, 5010, 5020, 6100
SENIOR INSTRUCTOR (SI)	5000, 5010, 5020, 5100, 5110, 5120, 5130, 6100 or 6102, 6320

3.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

MATC MAINTENANCE MOS 5952	
REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
NAVIGATIONAL AIDS BASIC TECH (NBT) (QUAL 6100)	2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200
Navigational AIDS Advanced Technician (NAT) (QUAL 6102)	2000, 2005, 2010, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2205, 2210, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2482, 2484, 2486, 2488, 2492, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2600, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2822, 2824, 2826, 2828, 2830, 2832, 2834, 2836, 2838, 2840, 2844, 2846, 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 2872, 2874, 2876, 2878, 2900, 2955, 3000, 3005, 3010, 3015, 3200, 3205, 6100
Collateral Duty Inspector (CDI) (QUAL 6104)	2700, 2704, 2706, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744.
Collateral Duty Quality Assurance Representative (CDQAR) (QUAL 6106)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Quality Assurance Representative (QAR) (QUAL 6108)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 6106
Quality Assurance Supervisor (QAS) (QUAL 6110)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Maintenance In-service Training Program Monitor (MISTPM) (QUAL 6112)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Foreign Object Damage (FOD) Prevention Program Manager (FODPM) (QUAL 6118)	2704, 2705
Foreign Object Damage (FOD) Prevention Program Monitor (FODPM) (QUAL 6120)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752

Tool Control Program Monitor (TCPM) (QUAL 6122)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Corrosion Prevention and Control Program Manager (CPCPM) (QUAL 6124)	2709, 2710
Corrosion Prevention and Control Program Monitor (CPCPM) (QUAL 6126)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Naval Aviation Metrology and Calibration (METCAL) Program Manager (NAMCAL) (QUAL 6132)	2716, 2717
Naval Aviation Metrology and Calibration (METCAL) Program Monitor (NAMCALPM) (QUAL 6134)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Hazardous Material Control and Management Program Monitor (HAZMAT) (QUAL 6136)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Electrostatic Discharge (ESD) Program Manager (ESDPM) (QUAL 6138)	2720, 2721
Electrostatic Discharge (ESD) Program Monitor (ESDPM) (QUAL 6140)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Technical Directive (TD) Compliance (TDC) (QUAL 6146)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752
Navigational AIDS Work Center Supervisor (NAWCS) DESG 6200)	2000, 2005, 2010, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2205, 2210, 2300, 2305, 2310, 2315, 2320, 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2414, 2416, 2418, 2420, 2422, 2424, 2426, 2428, 2430, 2432, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2454, 2456, 2458, 2460, 2462, 2464, 2466, 2468, 2470, 2472, 2474, 2476, 2478, 2480, 2482, 2484, 2486, 2488, 2490, 2492, 2500, 2505, 2510, 2515, 2520, 2525, 2530, 2600, 2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2818, 2820, 2824, 2826, 2828, 2830, 2832, 2834, 2836, 2838, 2840, 2842, 2844, 2846, 2848, 2850, 2852, 2854, 2856, 2858, 2860, 2862, 2864, 2866, 2868, 2870, 2872, 2874, 2876, 2878, 2900, 2955, 3000, 3005, 3010, 3015, 3200, 3205, 3210, 3300, 3305, 6100, 6102
Quality Assurance Supervisor (QAS) (DESG 6205)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 6110
Quality Assurance Representative (QAR) (DESG 6210)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 6106, 6108

Collateral Duty Quality Assurance Representative (CDQAR) (DESG 6215)	2700, 2701, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2716, 2717, 2718, 2719, 2720, 2721, 2724, 2725, 2726, 2727, 2728, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2742, 2743, 2744, 2745, 2746, 2748, 2749, 2750, 2751, 2752, 6106
Collateral Duty Inspector (CDI) (DESG 6220)	2700, 2704, 2706, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 6104
MATC Mobile Team Member (MMTM) (DESG-6225	2900, 2905, 2910, 2915, 3100, 3105, 3110
Obtain 2M Miniature certification (CERT 6400)	6083
Obtain 2M Micro Miniature certification (CERT 6405)	6073
Obtain Naval Aviation Quality Assurance Administration certification (CERT 6410)	6099
Obtain CPR certification (CERT 6415)	Complete approved CPR certification course in accordance with the reference
Obtain ATPL certification (CERT 6420)	6060

3.6 5952 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

MATC MAINTENANCE 5952 BASIC POI		
WEEKS[1]	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-12	CORE SKILL INTRODUCTION TRAINING	NATTC PENSACOLA FL
13-22	CORE SKILL TRAINING	TACTICAL SQUADRON
23-29	MISSION SKILL TRAINING	TACTICAL SQUADRON

3.6.2 Refresher POI

MATC MAINTENANCE MOS 5952 REFRESHER POI		
WEEKS[1]	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	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
Note – If the event is to be conducted in the simulator the Simulator Instructor shall set the desired environmental conditions for the event.	

3.7.2 Device Matrix

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

3.7.3 Program of Instruction Matrix

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

3.7.4 Event Terms

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

3.8 CORE SKILL INTRODUCTION PHASE (1000)

3.8.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5952 Navigational Aids Technician. This training is completed upon graduation from the Navigational Aids Technician Course.

3.8.2 General.

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

3.8.2.2 Admin Notes.

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

PAR NO.	STAGE NAME
3.8.3	MARINE AIR TRAFFIC CONTROL NAVIGATIONAL AIDS TECHNICIAN COURSE (NATC)

3.8.3 MARINE AIR TRAFFIC CONTROL NAVIGATIONAL AIDS TECHNICIAN COURSE (NATC) STAGE

3.8.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure and setup navigational aids equipment, conduct planned maintenance and limited technical inspections on assigned equipment. This training phase is complete upon graduation from the Marine Air Traffic Control Navigational Aids Technician Course, when the trainee has been designated with the MOS 5952, Marine Air Traffic Control Navigational Aids Technician.

3.8.3.2 General

Prerequisite.
(1) Successful completion of the MATC Technician Common POI, (CID: N23XSET)
(2) Meet the 5952 requirements delineated in the MOS Manual.

Admin Notes. MATC Navigational Aids Technician Course (CID: N235972) is located at Naval Air Technical Training Center Pensacola, Fl.

Crew Requirements. NONE.

NATC-1000 * B E G

Goal. Solve advanced electronic problems in preparation for troubleshooting Marine Air Traffic Control and Landing Systems (MATCALS) equipment.

Requirement.

1. Describe the operational characteristics of semiconductor devices used in Marine Air Traffic Control (MATC) equipment
2. Describe the operational characteristics of semiconductor circuits used in MATC equipment
3. Describe the failed component that would cause the abnormal characteristics, given a typical MATC electronic circuit and normal/abnormal circuit characteristics
4. Describe the operational characteristics of logic circuits used in MATC equipment
5. Describe the operational characteristics of operational amplifier circuit configurations used in MATC equipment
6. Describe the operational characteristics of multivibrator circuits
7. Identify the state of a multivibrator circuit given corresponding input signals
8. Describe the operational characteristics of converter and comparator circuits
9. Identify the output of converter and comparator circuits, given corresponding input signals
10. Describe the basic characteristics of shift registers, counters, adders, multiplexers, and demultiplexers as used in MATC equipment

11. Describe the basic operation of shift registers, counters, adders, multiplexers, and demultiplexers as used in MATC equipment

Performance Standard. Pass the knowledge test with a 70% or higher and no enabling objective failures.

Reference.
1. OPNAVINST 3120.32C
2. Navy Electricity and Electronics Training Series (NEETS), Modules 1-24

NATC-1005 * B E G, LAB

Goal. Operate advanced test equipment in accordance with applicable technical publications and safety standards.

Requirement.

1. Describe the operation of Marine Air Traffic Control (MATC) 5952 MOS specific test equipment
2. Operate MATC 5952 MOS specific test equipment.
3. Describe the operation of MATC 5953 MOS specific test equipment
4. Operate MATC 5953 MOS specific test equipment
5. Describe the operation of MATC 5954 MOS specific test equipment
6. Operate MATC 5954 MOS specific test equipment

Performance Standard. Utilize, the respective MOS related, test equipment during troubleshooting performance tests.

Reference.
1. 8684B Signal Generator 5.4-12.5 GHz Operating and Service Manual
2. ESA Spectrum Analyzers User's Guide
3. Operation Manual for Communications Service Monitor Model 2947A
4. Service Manual for TDS3000B Series Digital Phosphor Oscilloscope
5. Operating Instructions RF Directional Thruline Wattmeter Model 4314B
6. 435B Power Meter Manual
7. Operation Manual for 5334 Universal Counter

NATC-1010 * B E G, LAB

Goal. Troubleshoot an AN/URN-25 TACAN Set down to the lowest repairable unit.

Requirement.

1. Identify the major components of the AN/URN-25 TACAN Set

2. State the purpose of each major component of the AN/URN-25 TACAN Set
3. Describe the characteristics of each major component of the AN/URN-25 TACAN Set
4. State the modes of channelization in the AN/URN-25 TACAN Set
5. Calculate transmit and receive frequency in the AN/URN-25 TACAN Set
6. Describe the three types of information transmitted by the AN/URN-25 TACAN Set
7. Identify the major outputs of each circuit card and module within the AN/URN-25 TACAN Set
8. Describe the operation of the C/K Antenna Interface Card (1A1A10)
9. Describe the operation of the C/K Morse Code Generator Card (1A1A9)
10. Describe the operation of Test Generator Control Card (1A1A14)
11. Describe the operation of the C/K and R/T Frequency Synthesizers (1A1A16/1A2A16)
12. Describe the operation of the C/K RF Test Generator (1A1A17)
13. Describe the operation of the Receiver (1A2A9)
14. Describe the operation of the C/K Time Delay Generator Card (1A1A12)
15. Describe the operation of the C/K Trigger Control Card (1A1A11)
16. Describe the operation of the C/K Transponder Control Card (1A1A4)
17. Describe the operation of the High Level Modulator (1A2A11)
18. Describe the operation of the Low Level Modulator (1A2A12)
19. Describe the operation of the R/T Channel Control Card (1A2A2)
20. Describe the operation of the Solid State Driver (1A2A10)
21. Describe the operation of the Intermediate Power Amplifier (1A2A14A17Z1)
22. Describe the operation of the Attenuator Detector (1A2A14A18)
23. Describe the operation of the Final Power Amplifier (1A2A14A17Z2)
24. Describe the operation of the Passive T/R Switch (1A2A14A13)
25. Describe the operation of the C/K Antenna Switch (1A3A1)
26. Describe the operation of the C/K Monitor Card (1A1A13)
27. Describe the operation of the C/K AC Power Monitor Card (1A1A15)
28. Describe the operation of the R/T Monitor Card (1A2A1)
29. Describe the operation of the Low Voltage Power Supply (1A1A18PS1)
30. Describe the operation of the High Voltage Power Supply (1A2A6)
31. Describe the operation of the Filament Regulator (1A2A15)
32. Perform signal verification by measuring selected test points and outputs in the AN/URN-25 TACAN Set
33. Perform AN/URN-25 TACAN Set Alignments
34. Perform AN/URN-25 TACAN Set Planned Maintenance
35. Describe the AN/URN-25 TACAN Set emergency operations
36. Configure the AN/URN-25 TACAN Set for emergency operations

Performance Standard. Given two separate performance tests, identify the fault within the subsystem in the allotted time.

Reference.
1. AE-TACAN-ALT-000
2. EE172-AB-OMP-010
3. EE172-GA-OMI-010

NATC-1015 * B E G, LAB

Goal. Troubleshoot the OQ-327 Monitor Test Control Group down to the lowest repairable unit.

Requirement.

1. Identify the major components of the OQ-327 Monitor Test Control Group
2. State the purpose of each major component of the OQ-327 Monitor Test Control Group
3. Describe the characteristics of each major component of the OQ-327 Monitor Test Control Group
4. Describe the overall operation of the C-10363/URN Control-Indicator
5. Describe the operation of the FSK Encoder Card (1A1A1/2A1A1)
6. Describe the operation of the FSK Decoder Card (1A1A2/2A1A2)
7. Describe the operation of the Serial Data I/O Card (1A1A3/2A1A3)
8. Describe the operation of the Display Driver Card (2A1A4)
9. Describe the operation of the Control-Display Interface Card (2A1A5)
10. Describe the operation of the Status Monitor Card (2A1A7)
11. Describe the operation of the Control-Indicator Power Supply (2A1PS1)
12. Perform signal verification by measuring selected test points and outputs in the C-10363/URN Control-Indicator
13. Describe the overall operation of the ID-2330/TRN-44A Indicator Control unit
14. Describe the operation of the Control Status Card (1A5A1)
15. Describe the operation of the Sync Counter Card (1A5A5)
16. Describe the operation of the Output Driver Card (1A5A6)
17. Describe the operation of the Tone Oscillator Card (1A5A7)
18. Describe the operation of the Receiver Card (1A5A8)
19. Describe the operation of the Voltage Regulator Card (1A5A9)
20. Describe the operation of the Power Supply (1A5PS1)
21. Describe the Filter Line Assembly (1A5FL1)
22. Test operate the ID-2330/TRN-44A Indicator Control unit
23. Describe the overall operation of the C-8534/TRA-45 Remote Control-Indicator
24. Describe the operation of the AGC/Line Driver Circuit Card Assembly (A1)
25. Describe the operation of the Selective Amplifier Circuit Card Assembly (A2)
26. Describe the operation of the Decoder Circuit Card Assembly (A3)
27. Describe the operation of the Power Supply Circuit Card Assembly (A4)
28. Describe the operation of the Component Plate Assembly (A5)

29. Test operate the C-8534/TRA-45 Remote Control-Indicator
30. Perform OQ-327 Monitor Test Control Group Planned Maintenance

Performance Standard.

Given two separate performance tests, identify the fault within the subsystem in the allotted time.

Reference.
1. EE172-AB-OMP-010
2. EE172-AE-MMC-010
3. EE172-GA-OMI-010
4. EE172-GB-OMI-010

NATC-1020 * B E G, LAB

Goal. Maintain and operate the OE-258A/URN Antenna Group.

Requirement.

1. Identify the major components of the OE-258A/URN Antenna Group
2. State the purpose of each major component of the OE-258A/URN Antenna Group
3. Describe the characteristics of each major component of the OE-258A/URN Antenna Group
4. Describe the operation of the AS-3184A/URN Antenna
5. Describe the operation of the O-1882A/FRN Modulation Generator
6. Perform the O-1882A/FRN Modulation Generator Alignment

Performance Standard. Successfully perform OE-258A/URN Antenna Group Planned Maintenance.

Reference.
1. 16-60AB-1302-1
2. 16-70OE258/URN-1
3. EE172-GA-OMI-010

NATC-1025 * B E G, LAB

Goal. Successfully set-up and tear-down the AB-1302/GRN Tactical Antenna Tower.

Requirement. Identify the major components of the AB-1302/GRN Tactical Antenna Tower.

Performance Standard. Given a crew, and aided by the reference, set-up and tear-down the AB-1302/GRN Tactical Antenna Tower.

Reference. 16-60AB-1302-1

NATC-1030 * B E G, LAB

Goal. Troubleshoot the AN/TRN-47 TACAN set down to the lowest repairable unit.

Requirement.

1. State the purpose of the AN/TRN-47 TACAN set
2. Identify the major components of the AN/TRN-47 TACAN set
3. Describe the characteristics of the AN/TRN-47 TACAN set
4. State the principles of TACAN operation
5. Describe the TACAN signal elements
6. Describe the function of the Antenna (Unit 2), Azimuth Monitor (Unit 6) and Remote Status Monitor (Unit 4)
7. Describe the function of the Receiver Transmitter (Unit 1).
8. Describe the operation of the Receiver Section
9. Describe the operation of the Pulse Generation Section
10. Describe the operation of the Transmitter Section
11. Describe the operation of the Monitor and Control Section
12. Describe the operation of the Antenna Section
13. Describe troubleshooting techniques for the Antenna, Azimuth Monitor and Remote Status Monitor
14. Demonstrate the system startup procedures for the AN/TRN-47 TACAN set
15. Perform signal verification by measuring selected test points and outputs in the AN/TRN-47 TACAN set
16. Perform alignments and adjustments to the AN/TRN-47 TACAN set
17. Perform receiver path troubleshooting procedures on the AN/TRN-47 TACAN set

Performance Standard. Given two separate performance tests, identify the fault within the subsystem in the allotted time.

Reference. 16-30TRN47-1

NATC-1035 * B E G, LAB

Goal. Successfully set-up and tear-down the AN/TRN-47 TACAN set.

Requirement. Identify the site-specific considerations for deployment of the AN/TRN-47 TACAN set.

Performance Standard. Given a crew, and aided by the reference, set-up and tear-down the AN/TRN-47 TACAN set.

Reference. 16-30TRN47-1

3.9 CORE SKILL TRAINING (2000)

3.9.1 Purpose. To develop core skill proficiency for 5952 personnel to be able to perform duties while assigned to the Navigational Aids section.

(1) Basic Technicians will gain core skill proficiency in basic TACAN operations and maintenance.

(2) Advance Technicians will gain core skill proficiency in advanced TACAN systems operations and maintenance.

(3) Work Center Supervisors will gain core skill proficiency in supervising and managing maintenance section operations to include TACAN systems operations and maintenance, and maintenance management. This training will provide the Work Center Supervisor the necessary skills to run a Navigational Aids section.

3.9.2 General.

3.9.2.1 Prerequisite.

(1) Navigational Aids Basic Technician (NBT). Core Skill Introduction training must be completed prior to beginning NBT training.

(2) Navigational Aids Advance Technician (NAT). Must be qualified as an NBT prior to beginning NAT training.

(3) Navigational Aids Work Center Supervisor (NWCS). Must be qualified as an NAT prior to beginning NWCS training.

3.9.2.2 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.

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

PAR NO.	STAGE NAME
3.9.3	ORIENTATION (ORNT)
3.9.4	FIRST AID/SAFETY (FAS)
3.9.5	TEST MEASUREMENT DIAGNOSTICS EQUIPMENT (TMDE)
3.9.6	EQUIPMENT (EQPT)
3.9.7	COMMUNICATION SECURITY (SEC)
3.9.8	MAINTENANCE MANAGEMENT (MMGT)
3.9.9	DEPLOYMENT (DEPL)
3.9.10	ORGANIZATIONAL STRUCTURE (ORGS)
3.9.11	NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)
3.9.12	NAVIGATIONAL AIDS (NAV)
3.9.13	MARINE AIR TRAFFIC CONTROL MOBILE TEAM MEMBER (MMTM)
3.9.14	TACTICAL DATA LINKS (TDL)

3.9.3 ORIENTATION (ORNT) STAGE

3.9.3.1 Purpose. To provide an overview of local site layout, procedures, equipment, and emergency conditions.

3.9.3.2 General

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

3.9.3.2.2 Crew Requirements. Training will be executed as individual training, with appropriate assistance at the crew level as needed, and as dictated by the conditions listed for each event. Crewmember(s) assistance must be restricted to those actions required to support or facilitate individual training so as not to detract from the individual's requirement to demonstrate the performance standard.

ORNT-2000 1.0 1095 B,R,M D L

Goal. Familiarization with the different types of power sources used by MATCD.

Requirement. Describe the different types of power sources used by MATCD.

1. Describe MEP-803 characteristics
2. Describe MEP-805 characteristics
3. Describe MEP-806 characteristics
2. Describe MEP-807 characteristics
5. Describe MEP-531 characteristics
6. Describe PU-820 characteristics
7. Describe G-88 characteristics
8. Describe ITEG characteristics
9. Describe shore power requirements
10. Describe junction box characteristics
11. Describe PDU characteristics

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. TM-9-6115-642-10
2. TM-9-6115-644-10
3. TM-9-6115-645-10
4. TM-9-6115-729-10
5. TM 12359A-OD/B
6. TM 12359A-OD/C
7. 16-70TSQ216-410

ORNT-2005 1.0 365 B,R,M (D) L

Goal. Identify and explain the organizational destructive weather plan.

Requirement. In accordance with the references identify and explain:

1. The requirement to shift from shore power to auxiliary power if applicable
2. The systems and equipment that are required to be packed up and stored in order to prevent damage
3. Where packed up systems and equipment are to be stored during inclement weather
4. What precautions will be taken in order to prevent damage if systems and equipment are not required to be packed up IAW the references
5. Where destructive weather prevention materials are stored

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. OPNAVINST 3140.24
2. Unit SOP
3. NAVAIR 00-80T-114

ORNT-2010 1.0 365 B,R,M (D) L

Goal. Site familiarization

Requirement. Complete a site familiarization of all work centers within 30 days of checking in.

Performance Standard. Complete the requirement as verified by an instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. Unit SOP

3.9.4 FIRST AID/SAFETY (FAS) STAGE

3.9.4.1 Purpose. To instruct trainee on the proper safety considerations and procedures inherent to Marine Air Traffic Control Detachments.

3.9.4.2 General

Prerequisite. 2000, 2005, 2010

Admin Notes. None

Crew Requirements. None

FAS-2055 8.0 365 B,R,M (D) L

Goal. Complete Naval Occupational Safety and Health (NAVOSH) Indoctrination training.

Requirement. Complete NAVOSH/Safety training within 30 days upon arrival to an MATCD.

Performance Standard. NAVOSH/Safety training form completed by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010

External Syllabus Support. None

Reference.
1. OPNAVINST 5100.23
2. COMNAVAIRFORINST 4790.2

FAS-2060 1.0 365 B,R,M D L

Goal. Perform Lockout/Tagout procedures.

Requirement. Perform the following:

1. Identify tag signout procedures
2. Identify tag placement on equipment
3. Properly fill out tag
4. Conduct inventory of tags

Performance Standard. Complete the requirements IAW the references, verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010

External Syllabus Support. None

Reference.
1. OPNAVINST 5100.23
2. COMNAVAIRFORINST 4790.2
3. NAVSEA S0400-AD-URM-010

3.9.5 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

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

3.9.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2100 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a multimeter.

Requirements. Given a multimeter, test leads, cable, and references:

1. State the purpose of the multimeter
2. Verify calibration is current if applicable
3. Perform continuity check on a cable or wire
2. Measure resistance.
5. Measure voltage (AC and DC)
6. Measure current
7. Adhere to safety precautions

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

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2105 2.0 365 B,R,M D L

Goal. Demonstrate proficiency with a Ground Fault Tester.

Requirement. Given a ground fault 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 the proper use of a ground tester and measure ground resistance in ohms.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. TM 10069A-14, Ground Resistance Ohmmeter

TMDE-2110 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with 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) if applicable

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2115 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with an oscilloscope.

Requirement. Given the references and an oscilloscope:

1. State the purpose of an oscilloscope
2. Verify calibration is current
3. Measure voltage
4. Measure frequency

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

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2120 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a frequency counter.

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

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

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

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2125 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a Communication Test Set.

Requirement. Given a Communication Test Set and applicable references:

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

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

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2135 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a DC power supply.

Requirement. Given a DC power supply and applicable references:

1. State the purpose of a DC power supply
2. Verify calibration is current if applicable
3. Verify proper settings
4. Verify proper connection
5. Provide power to appropriate circuit

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference.
1. Manufacturer's user's manual
2. EE111-AF-OMP-010, Operation and Maintenance Instructions with Parts List, Radio Set AN/URC-94(V)1, Radio Set AN/URC-94(V)

TMDE-2140 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a voltmeter.

Requirement. Given a voltmeter and applicable references:

1. State the purpose of a voltmeter
2. Verify calibration is current
3. Verify proper settings
4. Verify proper connection
5. Verify measurements

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference.
1. Manufacturer's user's manual
2. EE111-AF-OMP-010, Operation and Maintenance Instructions with Parts List, Radio Set AN/URC-94(V)1, Radio Set AN/URC-94(V)

TMDE-2145 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with signal generator.

Requirement. Given a signal generator and applicable references:

1. State the purpose of a signal generator
2. Verify calibration is current
3. Verify proper settings
4. Verify proper connection
5. Verify signal injection

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2150 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a dummy load.

Requirement. Given a dummy load and applicable references:

1. State the purpose of a dummy load
2. Verify calibration is current
3. Verify proper connection
4. Verify maximum load

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2155 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with an attenuator.

Requirement. Given an attenuator and applicable references.

1. State the purpose of an attenuator
2. Verify calibration is current
3. Verify proper connection
4. Verify measurements

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2160 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a sweep generator.

Requirement. Given a sweep generator and applicable references:

1. State the purpose of a sweep generator
2. Verify calibration is current
3. Verify proper settings
4. Verify proper connection
5. Verify pulse waveform injection

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2115, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2165 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a dual directional coupler.

Requirement. Given a dual directional coupler and applicable references:

1. State the purpose of a dual directional coupler
2. Verify calibration is current
3. Verify proper configuration

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175, 2180, 2490

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2170 1.0 365 B,R,M D L

Goal. Demonstrate proficiency with a tensiometer.

Requirement. Given a tensiometer and applicable references:

1. State the purpose of a tensiometer
2. Verify calibration is current
3. Select appropriate bit
4. Verify proper placement
5. Verify measurements

Performance Standard. Perform requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2175

External Syllabus Support. None

Reference. Manufacturer's user's manual

TMDE-2175 1.0 365 B,R,M D L

Goal. Identify the different types of calibration labels.

Requirement. Identify and state the purpose of the following calibration labels:

1. Red-black lettering (rejected)
2. Yellow-black lettering (special)
3. White-black lettering (standard)
4. White-green lettering (Inactive)
5. White-orange lettering (Calibration not required)

Performance Standard. Perform the requirements as verified by an instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVAIR 17-35TR-8

TMDE-2180 1.0 365 B,R,M D L

Goal. Familiarization with Sub Category (SCAT) codes.

Requirement. Given an MRC and references, identify appropriate TMDE through cross referencing the SCAT code.

Performance Standard. Perform the requirement as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2490

External Syllabus Support. None

Reference.
1. Unit COSAL
2. NAVSEA 4790.8

3.9.6 EQUIPMENT (EQPT) STAGE

3.9.6.1 Purpose. To familiarize the trainee with the basic operation of common use equipment.

3.9.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQPT-2200 1.0 365 B,R,M (D) L

Goal. Explain the purpose of and demonstrate proficiency with the MATCD handheld GPS.

Requirement.

1. Discuss the purpose of the handheld GPS
2. Determine position utilizing handheld GPS

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. TM 11-5820-1172-13

EQPT-2205 1.0 365 B,R,M (D) L

Goal. Explain the purpose of and demonstrate proficiency with the MATCD handheld two way radios.

Requirement.

1. Discuss the purpose of the two way radios
2. Discuss radio etiquette
3. Communicate utilizing two way radios

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. Motorola Manual 6881094C25-E
2. NAVAIR 00-80T-114

EQPT-2210 1.0 365 B,R,M (D) 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
6. Create grounding pits
7. Connect grounding braids/cables
8. Test grounds with TMDE

Performance standard. Complete the requirements as verified by an instructor.

Instructor. BI/SI

Prerequisites. 2105

External Syllabus Support. None

Reference. TM 9406-15, Ground Procedures Manual

3.9.7 COMMUNICATION SECURITY (SEC) STAGE

3.9.7.1 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.

3.9.7.2 General

Prerequisite. Complete MCI 2525B, Communications Security.

Admin Notes. None

Crew Requirements. None

SEC-2300 2.0 365 B,R,M (D) L

Goal. Describe proper handling and storage of classified materials.

Requirement. State and identify the following:

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

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

Instructor. BI, SI

Prerequisite. MCI 2525

External Syllabus Support. None

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

SEC-2305 2.0 365 B,R,M (D) L

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

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, 2300

External Syllabus Support. None

Reference. MCO P5530.14

SEC-2310 2.0 365 B,R,M (D) L

Goal. Conduct crew change over security procedures.

Requirement. During a crew change over:

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

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

Instructor. BI, SI

Prerequisite. MCI 2525, 2300

External Syllabus Support. None

Reference. EKMS-1A

SEC-2315 2.0 365 B,R,M (D) L

Goal. Extract key material information from EKMS COMSEC callout.

Requirement. Given an EKMS COMSEC callout and references:

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

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

Instructor. BI, SI

Prerequisite. MCI 2525, 2300

External Syllabus Support. None

Reference. EKMS-1A

SEC-2320 2.0 365 B,R,M (D) L

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, 2300

External Syllabus Support. None

Reference. EKMS-1A

3.9.8 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

3.9.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2400 2.0 365 B,R,M D L

Goal. EXPLAIN AND IDENTIFY the unit and contact information, Equipment and Trouble Shooting portion of a Maintenance Action Form (MAF).

Requirements.

1. EXPLAIN AND IDENTIFY the Unit Identification Code (UIC)
2. EXPLAIN AND IDENTIFY the Maintenance Group
3. EXPLAIN AND IDENTIFY the Job Sequence Number (JSN)
2. EXPLAIN AND IDENTIFY the Open Date
5. EXPLAIN AND IDENTIFY the Deployment Designator
6. EXPLAIN AND IDENTIFY the Priority.
7. EXPLAIN AND IDENTIFY the CASREP #
8. EXPLAIN AND IDENTIFY the Safety Hazard
9. EXPLAIN AND IDENTIFY the 1st Contact
10. EXPLAIN AND IDENTIFY the 2nd Contact
11. EXPLAIN AND IDENTIFY the Feedback
12. EXPLAIN AND IDENTIFY the Technical Directive ID
13. EXPLAIN AND IDENTIFY the Deferral Reasons
12. EXPLAIN AND IDENTIFY the Status
15. EXPLAIN AND IDENTIFY the Delay
16. EXPLAIN AND IDENTIFY the System Nomenclature
17. EXPLAIN AND IDENTIFY the System Serial No
18. EXPLAIN AND IDENTIFY the Meter Reading
19. EXPLAIN AND IDENTIFY the System Effect Of Failure (EOF)
20. EXPLAIN AND IDENTIFY the System Allowance Parts List (APL)
21. EXPLAIN AND IDENTIFY the System Maintenance Index Page (MIP)
22. EXPLAIN AND IDENTIFY the Subsystem Nomenclature
23. EXPLAIN AND IDENTIFY the Subsystem Serial No
22. EXPLAIN AND IDENTIFY the Subsystem Meter Reading
25. EXPLAIN AND IDENTIFY the Subsystem Effect Of Failure (EOF)
26. EXPLAIN AND IDENTIFY the Subsystem Allowance Parts List (APL)
27. EXPLAIN AND IDENTIFY the Subsystem Maintenance Index Page (MIP)
28. EXPLAIN AND IDENTIFY the Subsystem Maintenance Requirement Card (MRC)
29. EXPLAIN AND IDENTIFY the Admin Delay
30. EXPLAIN AND IDENTIFY the When Discovered Failure
31. EXPLAIN AND IDENTIFY the Cause Of Failure
32. EXPLAIN AND IDENTIFY the Symptoms/Description Of Failure
33. EXPLAIN AND IDENTIFY the Action Taken
32. EXPLAIN AND IDENTIFY the Summery/Disposition
35. EXPLAIN AND IDENTIFY the Description of Action Taken
36. EXPLAIN AND IDENTIFY the Technician section

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisites. None

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_

MMGT-2402	1.0	365	B,R,M	D	L

Goal. EXPLAIN AND IDENTIFY the Parts Requisition Section of a Maintenance Action Form (MAF).

Requirement.

1. EXPLAIN AND IDENTIFY the Document Number
2. EXPLAIN AND IDENTIFY the Priority
3. EXPLAIN AND IDENTIFY the Project Code
4. EXPLAIN AND IDENTIFY the Cognizance Code (COG)
5. EXPLAIN AND IDENTIFY the National Stock Number (NSN)
6. EXPLAIN AND IDENTIFY the Part Number
7. EXPLAIN AND IDENTIFY the Nomenclature
8. EXPLAIN AND IDENTIFY the Cage
9. EXPLAIN AND IDENTIFY the Quantity
10. EXPLAIN AND IDENTIFY the Unit Cost
11. EXPLAIN AND IDENTIFY the Unit of Issue (U/I)
12. EXPLAIN AND IDENTIFY the Advice Code
13. EXPLAIN AND IDENTIFY the Source Of Supply Code (SSC)
12. EXPLAIN AND IDENTIFY the Received (RCVD)
15. EXPLAIN AND IDENTIFY the Status and Date
16. EXPLAIN AND IDENTIFY the Delay
17. EXPLAIN AND IDENTIFY the Supply Readiness Degrader Number (SRD#)
18. EXPLAIN AND IDENTIFY the Remarks column
19. EXPLAIN AND IDENTIFY the Transfer (XFER) Form
20. EXPLAIN AND IDENTIFY the Total Cost

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. NAVSUP Publication p-485, Afloat Supply Procedures
3. SPCCINST 4441.170A, COSAL Use and Maintenance Manual

MMGT-2404 1.0 365 B,R,M D L

Goal. EXPLAIN AND IDENTIFY the Validation Section of a Maintenance Action Form (MAF).

Requirement.

1. EXPLAIN AND IDENTIFY the Completion Date
2. EXPLAIN AND IDENTIFY the Inspected By
3. EXPLAIN AND IDENTIFY the Reviewed By
4. EXPLAIN AND IDENTIFY the Julian Date

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_

MMGT-2406 1.0 365 B,R,M D L

Goal. DEMONSTRATE how to open a new Maintenance Action Form (MAF) on a faulted piece of Equipment.

Requirement.

1. DEMONSTRATE how to enter correct data into the Unit and Contact section of a new MAF
2. DEMONSTRATE how to enter correct data into the Equipment section of a new MAF
3. DEMONSTRATE how to enter correct data into the Trouble Shooting section of a new MAF

Performance Standard. With supervision and in accordance with the reference, demonstrate how to correctly open a new Maintenance Action Form (MAF) on a faulted piece of equipment as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2434

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_
3. Applicable TMs

MMGT-2408 1.0 365 B,R,M D L

Goal. DEMONSTRATE how to update an existing Maintenance Action Form (MAF) on a faulted piece of Equipment.

Requirement.

1. SELECT the MAF to be updated from the Select MAF(s) to view screen

2. DEMONSTRATE how to enter correct data into the Description of action taken of an existing MAF to include but not limited to CDI checks, Tool Box Inventories and Technician Hours

Performance Standard. With supervision and in accordance with the reference, demonstrate how to correctly update an existing Maintenance Action Form (MAF) on a faulted piece of Equipment as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2434

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_
3. Applicable TMs

MMGT-2410 1.0 365 B,R,M D L

Goal. DEMONSTRATE how to order parts for an existing Maintenance Action Form (MAF) on a faulted piece of Equipment.

Requirement.

1. DEMONSTRATE how to enter correct data into the Trouble Shooting section of an existing MAF to include but not limited to CDI checks, Tool Box Inventories and Technician Hours
2. DEMONSTRATE how to enter correct data into the Parts Information section of an existing MAF obtained from but not limited to Fed Log, COSAL

Performance Standard. With supervision and in accordance with the reference, demonstrate how to correctly order parts for an existing Maintenance Action Form (MAF) on a faulted piece of equipment as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2434

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_
3. Applicable TMs
4. NAVSUP Publication p-485, Afloat Supply Procedures
5. SPCCINST 4441.170A, COSAL Use and Maintenance Manual

MMGT-2412 1.0 365 B,R,M D L

Goal. PERFORM the validate/review function of an existing Maintenance Action Form (MAF) on a faulted piece of Equipment.

Requirement.

1. DEMONSTRATE and EXPLAIN how to verify the accuracy of all data entered into the MAF
2. DEMONSTRATE and EXPLAIN how to validate/review the MAF

Performance Standard. With supervision and with the aid of reference, explain and demonstrate how to validate/review a MAF as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2434

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_
3. Applicable TMs
4. NAVSUP Publication p-485, Afloat Supply Procedures
5. SPCCINST 4441.170A, COSAL Use and Maintenance Manual

MMGT-2414 1.0 365 B,R,M D L

Goal. DEMONSTRATE how to properly close an existing Maintenance Action Form (MAF) on a faulted piece of Equipment.

Requirement. DEMONSTRATE and EXPLAIN how to properly close an existing MAF.

Performance Standard. With supervision and in accordance with the reference, explain and demonstrate how to properly close an existing MAF as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2412, 2434

External Syllabus Support. None

Reference.
1. MAFIA 2003 OMI
2. COMNAVAIRFORINST 4790.2_
3. Applicable TMs
4. NAVSUP Publication p-485, Afloat Supply Procedures
5. SPCCINST 4441.170A, COSAL Use and Maintenance Manual

MMGT-2416 1.0 365 B,R,M D L

Goal. DEMONSTRATE AND EXPLAIN how to properly complete the End of Month (EOM) Processing.

Requirement.

1. EXPLAIN why End of Month (EOM) Processing is necessary
2. EXPLAIN the due date that the EOM is due to Fleet Support Team San Diego (FSTSD)
3. DEMONSTRATE how to archive and un-archive MAF's

Performance Standard. With supervision and in accordance with the reference, explain and demonstrate how to properly complete the End Of Month (EOM) Processing as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2434

External Syllabus Support. None

Reference. MAFIA 2003 OMI

MMGT-2418 1.0 365 B,R,M D L

Goal. IDENTIFY AND EXPLAIN the different types of specialty MAF's in the Maintenance Action Form In Access (MAFIA) Program.

Requirement. State the purpose of each type of specialty MAF;

1. Cancelled MAF
2. Canabalization MAF
3. FSTSD Payback MAF
4. Shop Overhead Restock MAF
5. MAF's to Document Funds Transfers
6. MAF's to Order Tools
7. Transfer of equipment
8. Technical Directive

Performance Standard. With supervision and in accordance with the reference, explain and identify the purpose of each requirement as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. MAFIA 2003 OMI

MMGT-2420 1.0 365 B,R,M D L

Goal. DEMONSTRATE AND EXPLAIN how to properly start a new year in the Maintenance Action Form In Access (MAFIA) Program.

Requirement.

1. DEMONSTRATE how to properly start a new year in the MAFIA Program
2. EXPLAIN when to start a new year in the MAFIA Program

Performance Standard. With supervision and in accordance with the reference, explain and demonstrate how to properly start a new year in the MAFIA Program verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. MAFIA 2003 OMI

MMGT-2422 2.0 1095 B,R,M (D) L

Goal. Explain the purpose and show proficiency while using the Coordinated Shipboard Allowance List (COSAL).

Requirement.

1. Discuss the purpose of the COSAL
2. Research parts using the COSAL
3. Identify Source Maintenance and Recoverability (SM & R) codes for system components and explain what level of maintenance is authorized
4. Identify the Ship's Navy Stock List (SNSL)

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVICPINST 4441.170_
2. Unit COSAL
3. NAVSUPINST 4423.29

MMGT-2424 1.0 1095 B,R,M (D) L

Goal. Prepare and submit a COSAL Feedback report.

Requirement.

1. Identify the purpose of a COSAL feedback report and explain its importance
2. Draft a COSAL feedback report
3. Demonstrate the procedures for submitting a COSAL feedback report

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2422, 2426, 2434

External Syllabus Support. None

Reference.
1. NAVICPINST 4441.170_
2. UNIT COSAL

MMGT-2426 2.0 1095 B,R,M (D) L

Goal. Requisition materials and parts.

Requirement.

1. Requisition parts listed in COSAL
2. Requisition parts not listed in COSAL
3. Research parts using FEDLOG
4. Identify and explain advice codes
5. Identify and explain the 2 parts of National Stock Numbers (NSNs)
6. Identify and explain the Cognizance (COG) Code
7. Identify and explain the Commercial and Government Entity (CAGE) code
8. Identify and explain the 3 parts to a document number
9. Identify and explain the Source of Supply (SOS) code
10. Identify and explain the Force activity designator (FAD)
11. Identify and explain Non-standard requisition procedures (open purchase)
12. Demonstrate supply reconciliation procedures using material control register

Performance Standard. With the aid of reference, complete the requirement by verbally stating the required information correctly as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2434

External Syllabus Support. None

Reference.

1. NAVICPINST 4441.170
2. FEDLOG
3. NAVSUP Publication 485
4. NAVSUPINST 4423.29
5. NAVSUP P-409 MILSTRIP/MILSTRAP DESKTOP GUIDE

MGMT-2428 5.0 365 B,R,M (D) L

Goal. Draft and release a properly formatted Naval Message.

Requirement. Given a simulated situation requiring a Naval Message and the references, be able to describe the following:

1. Provide standard subject line identification
2. Provide accurate PLADs for intended recipients
3. Provide actions required for outside assistance
4. Assign Security Label
5. Submit a validated draft Naval Message to the appropriate releasing authority
6. Identify the process for release of a Naval Message

Performance Standard. Complete the requirement without error via oral or written test as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NWP 1-03.1
2. Local SOP

MMGT-2430 1.0 365 B,R,M (D) L

Goal. Analyze table of organization/equipment (TO&E).

Requirement. With the aid of references, a concept of employment, a mission and a table of organization/equipment:

1. Review mission statement
2. Review table of organization/equipment
3. Review unit mission essential tasks

Performance Standard. Given a current TO&E, explain the requirement as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Support. None

Reference.
1. CMR Consolidated Memorandum Report
2. MCO 5311.1 Total Force Structure Process (TFSP)
3. MCO P4400.150 Consumer-Level Supply Policy Manual
4. Unit TO/E Table of Organization/Equipment
5. Marine Air Traffic Control and Landing Systems Allowance List

MMGT-2432 1.0 365 B,R,M (D) (L)

Goal. Discuss the information contained in the following logs and records maintained in production control.

Requirement. Given a Logbook Inventory Record (LIR), and with the aid of the reference, identify and explain the following:

1. Mobile facilities Logbook and Inventory Record
2. SE Custody and maintenance history record
3. SE transfer and acceptance checklist

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2731

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

MMGT-2434 1.0 365 B,R,M (D) (L)

Goal. Discuss the purpose of the Mission Essential Subsystem Matrix (MESM).

Requirement. Given a scenario of a subsystem failure, determine the Equipment Operational Capability using the MESM for the correlating T/M/S

1. Discuss the purpose of the MESM
2. Associate the correct MESM to its corresponding T/M/S
3. Determine the Equipment Operational Capability

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. OPNAVINST 5542.4

MMGT-2436 1.0 365 B,R,M (D) (L)

Goal. Discuss the following QA managed programs

Requirement.

1. Identify and explain the purpose of the Central Technical Publications Library
2. Identify and explain the purpose of the Maintenance Department/Division Safety program
3. Identify and explain the purpose of the QA Audit program
4. Identify and explain the purpose of the SE Misuse/Abuse program
5. Identify and explain the purpose of the Naval Aviation Maintenance Discrepancy Reporting program

Performance Standard. Describe the requirements without error as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2733, 2735, 2737, 2744

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2

MMGT-2438 1.0 365 B,R,M (D) (L)

Goal. Discuss the following Individual Material Requirements Listing (IMRL).

Requirement.

1. Identify and explain how allowances are based
2. Identify and explain how to link IMRL items to the system they support
3. Identify and explain how to change allowances

Performance Standard. Describe the requirements without error as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2727

External Syllabus Support. None

Reference. NAVAIR AG-SEMGR-GYD-000

MMGT-2440 1.0 365 B,R,M (D) (L)

Goal. Discuss the Table of Basic Allowance (TBA).

Requirement. Identify and explain the purpose and contents of the Table of Basic Allowance.

Performance Standard. Describe the requirements without error as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. TM 3125-OI/1

MMGT-2442 1.0 365 B,R,M (D) L

Goal. Discuss the information contained in the Users Logistics Support Summary (ULSS).

Requirement.

1. Explain the contents of the ULSS
2. Discuss the procedures for updating the ULSS

Performance Standard. Complete the requirements without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

References. NAVAIR ATC-37-02 (MATCALS ULSS)

MMGT-2444 1.0 1095 B,R,M (N) L

Goal. State the purpose and procedures for utilizing cannibalization.

Requirement.

1. Discuss the purpose of the cannibalization
2. Discuss the procedures for utilizing cannibalization

Performance Standard. With supervision, state the purpose and procedures for utilizing cannibalization.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2412, 2418, 2434

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_, Paragraph 5.1.11
2. LCP
3. MMP
4. MAFIA OMI
5. AMHS

MMGT-2446 2.0 365 B,R,M (D) L

Goal. Identify the requirements for a frequency request.

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

1. Determine required frequencies
2. Identify the purpose and sections of:
   a. Frequency Request Form (SF-1494)
   b. Satellite Access Request (SAR) form
3. Complete a SF-1494 form
2. 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. None

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

MMGT-2448 1.0 180 B,R,M (D) L

Goal. Demonstrate the procedures of the Aviation Management Supply and Readiness Reporting (AMSRR) system.

Requirement. Given a user account, demonstrate the following:

1. Create a maintenance discrepancy
2. Create a supply discrepancy
3. Input and update data to the required fields

Performance Standard. Complete the requirements without error via oral and practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2434

External Syllabus Support. None

Reference. AMSRR Web 3.01 Software User Manual (SUM)

MMGT-2450 2.0 365 B,R,M (D) L

Goal. Explain the purpose of a Contingency Support Package (CSP).

Requirement.

1. Discuss who maintains the CSP
2. Discuss the CSP inventory process
3. Discuss the process of how to pull the CSP for operations

Performance Standard. Complete the requirements without error via oral and practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. MCWP 3-21.2 Aviation Logistics
2. Unit COSAL

MMGT-2452 1.0 365 B,R,M (D) L

Goal. Identify the equipment and resource requirements for an Air Traffic Control Detachment.

Requirement.

1. State the purpose of the Marine Air Traffic Control and Landing Systems (MATCALS) equipment allowance list
2. Identify the different sections contained in the allowance list

Performance Standard. Complete the requirements without error via oral and practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. Fleet Marine Forces Air Traffic Control (FMFATC) Systems and Marine Air Traffic Control and Landing Systems (MATCALS) Equipment Allowance List.

MMGT-2454 1.0 365 B,R,M (D) (L)

Goal. Explain the Planned Maintenance System (PMS).

Requirement.

1. Introduce the 595x technician to the organizational structure of key billets held by maintenance personnel and their individual responsibilities
2. Identify the objective and purpose of PMS

Performance Standard. Complete the requirement without error orally verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8

MMGT-2456 1.0 365 B,R,M (N) L

Goal. Identify and explain the different PMS documentation and the relationship between the different PMS documentation.

Requirement. Identify and explain the following PMS documentation and how it interrelates:

1. List of Effective Pages (LOEP)
2. Maintenance Index Page (MIP)
3. Maintenance Requirement Card (MRC)
4. Equipment Guide List (EGL)
5. Tagged Guide List (TGL)

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8

MGMT-2458 1.0 365 B,R,M (N) L

Goal. State the contents and purpose of the Work Center PMS Manual.

Requirement.

1. Identify and describe all required documents contained in the Work Center PMS Manual

2. Explain the purpose of the Work Center PMS Manual

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVSEAINST 4790.8_
2. Work Center PMS Manual

MMGT-2460 1.0 365 B,R,M (N) L

Goal. Identify and state the purpose of the PMS schedules.

Requirement. Identify and state the purpose of the following schedules:

1. Weekly
2. Quarterly
3. Cycle

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2462 1.0 365 B,R,M (N) L

Goal. Identify, state the purpose of, and demonstrate how to use the 13-Week Accountability Log.

Requirement.

1. Identify and state the purpose of the 13-Week Accountability log
2. Demonstrate how to properly document the completion of PMS on the 13-Week Accountability log
3. Identify the different types of PMS discrepancies/issues that require Work Center Supervisor notification

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2412, 2418, 2434, 2444, 2713

External Syllabus Support. None

Reference.
1. NAVSEAINST 4790.8
2. COMNAVAIRFORINST 4790.2

MMGT-2464 1.0 365 B,R,M (N) L

Goal. Explain the different periodicity codes and discuss the intervals for accomplishment.

Requirement. Identify and explain the following:

1. Calendar Periodicity Codes
2. Non-Calendar Periodicity Codes
3. Inactive Equipment Maintenance Periodicity Codes

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8

MMGT-2466 1.0 365 B,R,M (N) L

Goal. Discuss methods used to record a PMS maintenance action.

Requirement. Using the SKED program demonstrate how to:

1. Document an unaccomplished/partially accomplished maintenance action.
2. Document a completed maintenance action
3. Reschedule a maintenance action
4. Explain when a maintenance action can be deleted
5. How/when to document a maintenance action that was satisfied by a higher level test

Performance Standard. Complete the requirement without error orally as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. NAVSEAINST 4790.8
2. COMNAVAIRFORINST 4790.2

MMGT-2468 1.0 365 B,R,M (N) L

Goal. Discuss Planned Maintenance System (PMS) feedback reports.

Requirement.

1. Explain the purpose of a PMS feedback report
2. Identify the types of PMS feedback reports
3. Explain when and why a PMS feedback report is submitted
4. Discuss the procedures for submitting a PMS feedback report

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8

MMGT-2470 1.0 365 B,R,M (N) L

Goal. Discuss and perform the administrative functions prior to performing a PMS maintenance action.

Requirement. Discuss and perform the following:

1. Review weekly PMS schedule for individual maintenance assignments
2. Draw Maintenance Requirement Card (MRC) and verify it against the Work Center PMS manual
3. Discuss how the proper use of TGLs/EGLs
4. Describe the proper procedures for replacing a missing MRC/TGL/EGL
5. Identify the tool/part/material/test equipment items from the MRC using SPMIG

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2412, 2418, 2434, 2444, 2446, 2448, 2713

External Syllabus Support. None

Reference.
1. NAVSEAINST 4790.8_
2. COMNAVAIRFORINST 4790.2_

MMGT-2472 1.0 730 B,R,M (N) L

Goal. Perform an update of the weekly/quarterly PMS schedule.

Requirement.

1. Identify the steps to updating the weekly/quarterly PMS schedule
2. Demonstrate how to update and ensure weekly/quarterly schedules are up to date

Performance Standard. Complete the requirement via oral, practical application, or computer-based training as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2450

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2474 1.0 730 B,R,M (N) L

Goal. Explain the use of PMS scheduling aids.

Requirement.

1. Explain the use of PMS scheduling aids and authorized line-outs
2. Explain the procedures if a line-out is not authorized by a scheduling aid

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2476 1.0 730 B,R,M (N) L

Goal. Identify and explain the types of revisions.

Requirement.

1. Describe different types of revisions
2. Describe circumstances for revisions

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2478 1.0 730 B,R,M (N) L

Goal. Identify the requirements for and install a PMS force revision.

Requirement.

1. Identify the areas affected with the Install and implement PMS Force Revision to associated work sections
2. Identify all system/equipment updates that are required to reflect change in associated work sections
3. Identify and be at update PMS packages to reflect changes in system/equipment

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2450, 2458

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2480 1.0 730 B,R,M (N) L

Goal. Generate/update a crew list using SKED.

Requirement. Using the SKED program, demonstrate how to generate/update a crew list.

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2482 2.0 730 B,R,M (N) L

Goal. Generate a new Quarter and prepare a cycle, quarterly, weekly schedule.

Requirement. Using the SKED program:

1. Identify the steps, materials and procedures for preparing and creating a cycle PMS Schedule
2. Identify the steps, materials and procedures for preparing and creating a quarterly PMS schedule
3. Identify the steps, materials and procedures for preparing and creating a weekly PMS schedule

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2450

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2484 3.0 730 B,R,M (N) L

Goal. Import and build a Work Center.

Requirement. Given the SKED program and the current PMS CD:

1. Demonstrate how to build and import a work center
2. Verify that all MIPS listed on the LOEP are installed in SKED
3. Demonstrate how to add components/equipped systems under the Listed MIPS
4. Demonstrate how to ensure that the appropriate MRCs are added/deleted under the component in accordance with the scheduling aids
5. Demonstrate how to start Semiannual and above MRCs in a particular quarter
6. Demonstrate how to verify that all MRCs are within the required periodicity range
7. Demonstrate how to the proper procedures for finalizing the quarter.

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2450

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2486 1.0 730 B,R,M (N) L

Goal. Schedule situational requirements using SKED.

Requirement.

1. Identify all the situational scheduling requirements used for SKED
2. Identify all the steps and the process for scheduling all the situational requirements using SKED

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2450

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2488 1.0 730 B,R,M (N) L

Goal. Verify the accuracy of the TGL and EGL and update the master file.

Requirement.

1. Identify the steps to verify the accuracy of the TGL and EGL from the master file
2. Identify the location of a TGL and EGL
3. Define the purpose of a TGL and EGL
4. Identify the proper steps to updating the master file from the accuracy of the TGL and EGL

Performance Standard. Complete the requirement without error via oral or written test as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2490 1.0 730 B,R,M (N) L

Goal. Prepare and forward a feedback report.

Requirement.

1. Identify the purpose of a Feedback report (FBR)
2. Identify the different types of FBR
3. Identify who is responsible for ensuring the FBR is completed
4. Identify the proper steps in preparing a FBR
5. Identify the steps in forwarding a FBR
6. Identify the purpose of forwarding a FBR

Performance Standard. Complete the requirement without error via oral or practical application as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2412, 2418, 2434, 2444, 2450, 2456

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

MMGT-2492 1.0 730 B,R,M (N) L

Goal. Explain the purpose of and identify the contents of the PMS master file.

Requirement.

1. Identify and define the purpose of the PMS master file
2. Identify all of the contents of the PMS master file
3. Identify who is responsible for the PMS master file

Performance Standard. Complete the requirement without error via oral or written test as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. NAVSEAINST 4790.8_

3.9.9 DEPLOYMENT (DEPL) STAGE

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

3.9.9.2 General

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

Admin Notes. None

Crew Requirements. None

DEPL-2500 2.0 365 B,R,M (D) L

Goal. Describe the coordination between maintenance personnel and the ATC watch supervisors during a planned or unplanned equipment outage.

Requirement.

1. Demonstrate the proper procedures for taking a system or equipment out of service during equipment outage
2. Demonstrate the proper procedures for returning a system or equipment to service from equipment outage
3. Explain the purpose of a Notice to Airmen (NOTAM) and identify the timeframe in which one is required during a system outage
4. Explain the purpose of a Commander's Critical Information Report (CCIR) and identify the timeframe in which one is required during a system outage

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-114
2. Unit SOP

DEPL-2505 1.0 365 B,R,M (D) L

Goal. Explain the purpose of an FAA Flight Inspection as it pertains to the MATCD.

Requirement.

1. Describe the purpose of an FAA Flight Inspection
2. Describe the role of each work center to include Air Traffic Controllers during an FAA Flight Inspection

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR 16-1-520.
2. NAVAIR 00-80T-112.
3. FAAO 8200.1_.

DEPL-2510 1.0 365 B,R,M (D) L

Goal. Identify and explain the different types of FAA Flight Inspections and when a flight inspection is required.

Requirement.

1. Describe the five basic types of official flight inspections. (Site evaluation, Commissioning, Periodic, Special, and Surveillance)
2. Describe contingency operation flight inspections

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800,

2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR 16-1-520.
2. NAVAIR 00-80T-112.
3. FAAO 8200.1_.

DEPL-2515 2.0 365 B,R,M (D) L

Goal. Conduct a MATCD site evaluation.

Requirement. Given appropriate references identify conditions relevant to a site selection.

1. Identify terrain requirements
2. Identify physical blocking obstructions
3. Identify radio frequency interference (HERO, HERP, and HERF)
2. Identify utility requirements
5. Describe environmental consideration
6. Identify required external equipment
7. Identify required internal equipment
8. Identify equipment placement requirements

Performance Standard. Given a specified location determine the suitability of the site IAW appropriate reference as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-114
2. Unit SOP
3. Applicable TM

DEPL-2520 1.0 365 B,R,M (D) L

Goal. Explain the elements of a Bill of Materials (BOM)

Requirement. Discuss the requirements, timeliness, and limitations of a BOM.

Performance Standard. Complete the requirement as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. MCO 4790.2_
2. Unit SOP

DEPL-2525 1.0 365 B,R,M (D) L

Goal. Create an Equipment Density List (EDL)

Requirement. Given a deployment scenario, create an EDL to encompass all required assets.

Performance Standard. Complete the requirement as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR ATC-37-02
2. MCWP 3-25.8

DEPL-2530 1.0 365 B,R,M (D) L

Goal. Identify and explain the proper procedures for the maintenance and custody of voice/data recordings.

Requirement.

1. Identify how often and when tape changes are required
2. Identify recording requirements and what frequencies must be recorded on an independent channel
3. Describe notification procedures for a failed recorder system
4. Describe chain of custody for recorder tapes
5. Explain the proper procedure for making copies of recordings
6. Identify the timeframe that voice recordings are maintained during normal operations and during a mishap

Performance Standard. Evaluation of knowledge may be obtained through oral, practical application, and written exam.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference.
1. NAVAIR 00-80T-112.
2. Applicable technical manual.
3. Unit SOP

3.9.10 ORGANIZATIONAL STRUCTURE (ORGS) STAGE

3.9.10.1 Purpose. 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.

3.9.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

ORGS-2600 8.0 * B G

Goal. Explain responsibilities and tasks of personnel within MATCD.

Requirement.

1. DESCRIBE the Maintenance Officer within the MATCD
2. DESCRIBE the Quality Assurance Officer within the MATCD
3. DESCRIBE the Assistant Maintenance Officer within the MATCD
4. DESCRIBE the Maintenance Material Control Officer within the MATCD
5. DESCRIBE the Quality Assurance Officer Representitive within the MATCD
6. DESCRIBE the Work Center Supervisor within the MATCD

Performance Standard. Given access to NAMP, locate references and explain the seven requirements confirm that you have good understanding who does what within the MATCD.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2A Ch 3
2. MCWP 3-25
3. NAVSEAINST 4790.8

3.9.11 NAVAL AVIATION MAINTENANCE PROGRAM (NAMP) STAGE

3.9.11.1 Purpose. To familiarize the trainee with the COMNAVAIRFORINST 4790.2_, Naval Aviation Maintenance Program (NAMP).

3.9.11.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

NAMP-2700 1.0 365 B,R,M (D) L

Goal. Describe the Maintenance In-Service Training Program.

Requirement. Identify and explain the purpose of the Maintenance In-Service Training Program.

Performance Standard. Given the reference and with supervision, explain the Maintenance In-Service Training.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2701 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Maintenance In-Service Training Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Maintenance In-Service Training Program audit process

Instructor. BI/SI

Prerequisite. 2700, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2704 1.0 365 B,R,M (D) L

Goal. Describe the Foreign Object Damage (FOD) Prevention Program.

Requirement. Identify and explain the purpose of the Foreign Object Damage (FOD) Prevention Program.

Performance Standard. Given the reference and with supervision, explain the Foreign Object Damage (FOD) Prevention Program.

Instructor. BI/SI

Prerequisites. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2705 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Foreign Object Damage (FOD) Prevention Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Foreign Object Damage (FOD) Prevention Program audit process

Instructor. BI/SI

Prerequisite. 2704, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2706 1.0 365 B,R,M (D) L

Goal. Describe the Tool Control Program.

Requirement. Identify and explain the purpose of the Tool Control Program.

Performance Standard. Given the reference and with supervision, explain the Tool Control Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2707 1.0 365 B,R,M (D) L

Goal. Demonstrate proper Tool Control Program Missing/Broken/Worn Tool Report procedures.

Requirement. Given the references, perform the following:

1. Explain the purpose of the Missing/Broken/Worn Tool Report
2. Correctly input all required data on the Missing/Broken Tool Report
3. Explain the proper routing procedures for the Missing/Broken Tool Report

Performance Standard. Given a Missing/Broken/Worn Tool Report, perform the requirement, verified by instructor.

Instructor. BI/SI

Prerequisite. 2706

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2708 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Tool Control Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Tool Control Program audit process

Instructor. BI/SI

Prerequisite. 2706, 2707, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2709 1.0 365 B,R,M (D) L

Goal. Describe the Corrosion Prevention and Control Program.

Requirement. Identify and explain the purpose of the Corrosion Prevention and Control Program.

Performance Standard. Given the reference and with supervision, explain the Corrosion Prevention and Control Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2710 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Corrosion Prevention and Control Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Corrosion Prevention and Control Program audit process

Instructor. BI/SI

Prerequisite. 2709, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2716 1.0 365 B,R,M (D) L

Goal. Describe the Naval Aviation Metrology and Calibration Program.

Requirement. Identify and explain the purpose of the Naval Aviation Metrology and Calibration Program.

Performance Standard. Given the reference and with supervision, explain the Naval Aviation Metrology and Calibration Program.

Instructor. BI/SI

Prerequisite. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2717 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Naval Aviation Metrology and Calibration Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Naval Aviation Metrology and Calibration Program audit process

Instructor. BI/SI

Prerequisite. 2716, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2718 1.0 365 B,R,M (D) L

Goal. Describe the Hazardous Material Control and Management Program.

Requirement. Identify and explain the purpose of the Hazardous Material Control and Management Program.

Performance Standard. Given the reference and with supervision, explain the Hazardous Material Control and Management Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2719 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Hazardous Material Control and Management Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Hazardous Material Control and Management Program audit process

Instructor. BI/SI

Prerequisite. 2718, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2720 1.0 365 B,R,M (D) L

Goal. Describe the Electrostatic Discharge (ESD) Program.

Requirement. Identify and explain the purpose of the Electrostatic Discharge (ESD) Program.

Performance Standard. Given the reference and with supervision, explain the Electrostatic Discharge (ESD) Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2721 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Electrostatic Discharge (ESD) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Electrostatic Discharge (ESD) Program audit process

Instructor. BI/SI

Prerequisite. 2720, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2724 1.0 365 B,R,M (D) L

Goal. Describe the Technical Directive (TD) Compliance Program.

Requirement. Identify and explain the purpose of the TD Compliance Program.

Performance Standard. Given the reference and with supervision, explain the TD Compliance Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2725 1.0 365 B,R,M (D) L

Goal. Demonstrate proper Technical Directive (TD) Compliance Program procedures.

Requirement. Explain the purpose of the TDRouting and Tracking Sheet.

Performance Standard. Given a TD Routing and Tracking Sheet, complete a TD Routing and Tracking Sheet in accordance with the reference.

Instructor. BI/SI

Prerequisite. 2724

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2726 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Technical Directive (TD) Compliance Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Technical Directive (TD) Compliance Program audit process

Instructor. BI/SI

Prerequisite. 2724, 2725, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2727 1.0 365 B,R,M (D) L

Goal. Describe the Aircraft Maintenance Material Readiness List (AMMRL) Program.

Requirement. Identify and explain the purpose of the AMMRL Program.

Performance Standard. Given the reference and with supervision, explain the AMMRL Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2728 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Aircraft Maintenance Material Readiness List (AMMRL) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the AMMRL Program audit process

Instructor. BI/SI

Prerequisite. 2727, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2731 1.0 365 B,R,M (D) L

Goal. Describe the Mobile Maintenance Facilities Program.

Requirement. Identify and explain the purpose of the Mobile Maintenance Facilities Program.

Performance Standard. Given the reference and with supervision, explain the Mobile Maintenance Facilities Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2732 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Mobile Maintenance Facilities Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Mobile Maintenance Facilities Program audit process

Instructor. BI/SI

Prerequisite. 2731, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2733 1.0 365 B,R,M (D) L

Goal. Describe the Central Technical Publications Library(CTPL) Program.

Requirement. Identify and explain the purpose of the CTPL Program.

Performance Standard. Given the reference and with supervision, explain the CTPL Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2734 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the CTPL Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the CTPL Program audit process

Instructor. BI/SI

Prerequisite. 2733, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2735 1.0 365 B,R,M (D) L

Goal. Describe the Maintenance Department/Division Safety Program.

Requirement. Identify and explain the purpose of the Maintenance Department/Division Safety Program.

Performance Standard. Given the reference and with supervision, explain the Maintenance Department/Division Safety Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2736 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Maintenance Department/Division Safety Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Maintenance Department/Division Safety Program audit process

Instructor. BI/SI

Prerequisite. 2735, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2737 1.0 365 B,R,M (D) L

Goal. Describe the Quality Assurance (QA) Program.

Requirement. Identify and explain the purpose of the QA Program.

Performance Standard. Given the reference and with supervision, explain the QA Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2738 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the QA Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the QA Program audit process

Instructor. BI/SI

Prerequisite. 2737, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2742 1.0 365 B,R,M (D) L

Goal. Describe the Quality Assurance Audit Program.

Requirement. Identify and explain the purpose of the Quality Assurance Audit Program.

Performance Standard. Given the reference and with supervision, explain the Quality Assurance Audit.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2743 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Quality Assurance Audit Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Quality Assurance Audit Program audit process

Instructor. BI/SI

Prerequisite. 2742, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2744 1.0 365 B,R,M (D) L

Goal. Describe the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Requirement. Identify and explain the purpose of the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Performance Standard. Given the reference and with supervision, explain the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2745 1.0 365 B,R,M (D) L

Goal. Navigate and use the Joint Discrepancy Reporting System (JDRS)

Requirement.

1. Draft and explain a Engineering Investigation (EI)
2. Draft and explain a Hazard Material Report (HR)
3. Draft and explain a Parts Quality Deficiency Report (PQDR)
4. Draft and explain a Acceptance Inspection Deficiency Report (AIDR)

Performance Standard. Given the reference and with supervision, demonstrate understanding and proficiency of the reports used under JDRS.

Instructor. BI/SI

Prerequisite. 2744

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2746 1.0 365 B,R,M (D) L

Goal. Perform a Computerized Self Evaluation Checklist (CSEC) on the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program.

Requirement. Utilize a current CSEC to conduct an audit. Ensure the following:

1. Initial audit
2. Proper routing procedures per Local Command Procedures (LCP)
3. Perform follow-up audit, as applicable
4. Perform proper follow-up routing procedures, as applicable
5. Archive

Performance Standard. Given the reference, perform the Naval Aviation Maintenance Discrepancy Reporting (NAMDRP) Program audit process

Instructor. BI/SI

Prerequisite. 2744, 2745, 2747

External Syllabus Support. None

Reference.
1. COMNAVAIRFORINST 4790.2_
2. LCP

NAMP-2748 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Officer (QAO).

Requirement. Identify the responsibilities of the QAO

Performance Standard. Given the reference, explain the responsibilities of the QAO.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2749 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Representative (QAR).

Requirement. Identify the responsibilities of the QAR.

Performance Standard. Given the reference, explain the responsibilities of the QAR.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2750 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Collateral Duty Quality Assurance Representative (CDQAR).

Requirement. Identify the responsibilities of the CDQAR.

Performance Standard. Given the reference, explain the responsibilities of the CDQAR.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2751 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Collateral Duty Inspector (CDI).

Requirement. Identify the responsibilities of the CDI.

Performance Standard. Given the reference, explain the responsibilities of the CDI.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2752 1.0 365 B,R,M (D) L

Goal. Explain the responsibilities of the Quality Assurance Supervisor (QAS).

Requirement. Identify the responsibilities of the QAS.

Performance Standard. Given the reference, explain the responsibilities of the QAS.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

NAMP-2753 1.0 365 B,R,M (D) L

Goal. Complete NAMP indoctrination training.

Requirement. Identify and explain all applicable NAMP programs.

Performance Standard. Given the references, explain all applicable NAMP programs.

Instructor. BI/SI

Prerequisite. 2700, 2704, 2706, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744.

External Syllabus Support. None

Reference. COMNAVAIRFORINST 4790.2_

3.9.12 NAVIGATIONAL AIDS (NAV) STAGE

3.9.12.1 Purpose. Air Traffic Control Navigational Aids Technicians survey, site, and install air traffic control navigational aids systems; make periodic inspections and perform planned maintenance; tune, adjust, and align systems for proper operation; use proper safety procedures in system maintenance and operation; diagnose and isolate malfunctions to the fault, remove and replace the fault, and verify that the malfunction has been corrected; participate in and provide technical assistance during system flight inspections; maintain tools, support and test equipment; assist in maintaining the Central Technical Publications Library, assist in maintaining accountability of all parts of the system, and in requisitioning supplies. They process and pack system components for storage or shipment; train subordinates or less qualified personnel; maintain necessary records of maintenance and compile data for reports; assist ATC maintenance personnel in MOS 5951, MOS 5953, and MOS 5954.

3.9.12.2 General

Prerequisite. Graduate from the Marine Air Traffic Control Navigationl Aids Maintenance Technician course. CID: C-103-2100.

Admin Notes. None

Crew Requirements. None

NAV-2800 1.0 * B (D) L

Goal. Discuss AN/TRN-44_ capabilities.

Requirement. Identify and explain the following:

1. Bearing
2. ID
3. DME
4. Squitter
5. Range
6. Power out
7. Remoting

Performance Standard. Given the reference, complete the requirement without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. EE172-GA-OMI-010

NAV-2802 1.0 730 B,R,M (D) L

Goal. Identify and explain deployment requirements and procedures for the AN/TRN-44_.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, perform the following tasks:

1. Identify embarkation requirements
2. Identify TACAN channel assignment
3. Identify appropriate site selection criteria
4. Identify personnel requirements
5. Identify equipment support requirements
    a. Lift
    b. Environmental Control Unit
    c. Power
    d. Transport

Performance Standard. Given the reference, complete the requirement without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2105, 2175, 2180, 2210, 2444, 2450, 2456, 2490, 2520, 2846

External Syllabus Support. None

Reference. EE172-GA-OMI-010

NAV-2804 1.0 730 B,R,M D L

Goal. Identify and explain AN/TRN-44_ packing procedures.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, discuss the following tasks:

1. Equipment and materials inventory
2. Personnel requirements
3. TACAN shelter equipment layout

Performance Standard. Given the references, complete the requirement without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2416, 2434

External Syllabus Support. None

Reference.
1. EE172-GA-OMI-010
2. COMNAVAIRFORINST 4790.2_
3. Local SOP

NAV-2806 2.0 730 B,R,M D L

Goal. Identify and explain AN/TRN-44_ setup and installation.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, perform the following tasks:

1. Identify personnel and safety requirements
2. Discuss unpacking equipment from TACAN shelter
3. Identify placement of antenna scaffolding in relation to shelter
4. Discuss erecting scaffolding
5. Discuss hoisting antenna
6. Discuss cable configuration and weatherproofing
7. Discuss grounding system

8. Discuss power requirements

Performance Standard. Complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference.
1. EE172-GA-OMI-010
2. Local SOP

NAV-2808 1.0 730 B,R,M D L

Goal. Perform operation checks of AN/TRN-44_

Requirement. Given a AN/TRN-44_ and all applicable technical manuals, demonstrate the following:

1. Power up system
2. Demonstrate proper operational check of systems

Performance Standard. Complete the requirements IAW the reference and LCPs, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060

External Syllabus Support. None

Reference. EE172-GA-OMI-010

NAV-2810 1.0 730 B,R,M (D) L

Goal. Identify and explain tuning procedures for the AN/URN-25.

Requirement. Given a TACAN channel, perform the following tasks:

1. Identify TACAN channel assignment.
2. Explain tuning procedures of AN/URN-25 to assigned channel.

Performance Standard. Given the reference, complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2812 1.0 730 B,R,M (D) L

Goal. Identify and explain north alignment procedures to the OE-258 Antenna Group.

Requirement. Given a compass and the applicable technical manual perform the following tasks:

1. Discuss acquisition of antenna position in relation to magnetic north
2. Discuss data input procedures for the 0-1882_

Performance Standard. Given the references, complete the requirement without error verbally or through practical application, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. 16-70OE258/URN-1

NAV-2814 2.0 730 B,R,M (D) L

Goal. Identify and explain the AN/URN-25_ operating modes.

Requirement. Perform the following tasks:

1. Discuss On Air/Test/Tune Mode
2. Discuss Local/Remote Mode
3. Discuss Emergency Operating Modes
   a. IPA Only
   b. PA Only
   c. SSD Only
4. Discuss High/Medium Power Modes
5. Discuss Normal/Demand Mode
6. Discuss Morse Code Generator Modes
   a. Normal
   b. Continuous Wave
   c. Off

Performance Standard. Given the reference, complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2816 8.0 730 B,R,M (D) L

Goal. Identify and explain system alignments for the AN/TRN-44_.

Requirement. Given an AN/TRN-44_ system and applicable technical manuals, discuss the following:

AN/URN-25_:
1. AC Power Monitor Card (1A1A15A1) Alignment
2. Antenna Interface Card (1A1A10) Alignment
3. Low Voltage Power Supply (1A1A18PS1) Alignment
4. Trigger Control Card (1A1A11) Alignment
5. IPA/PA Filament Voltage Adjustment
6. IPA And PA Bias Alignment
7. Low Level Modulator Alignment
8. High Level Modulator (1A2A11) Alignment
9. Emergency Lower Power Alignment
10. Peak Power Alignment
11. Ring Alarm Alignment
12. Return system to an operational state

ID-2330:
1. Power Supply Adjustment
2. Tone Oscillators Adjustment
3. Receiver Adjustment
4. 10 Hz Clock Adjustment

C8534/TRA-45:
1. Power Supply Adjustment
2. Receiver Adjustments
3. 7.4-kHz Oscillator Adjustment
4. Decoder Adjustments

O-1882_:
1. 5.75 VREF Adjustment
2. 1.265 VREF Adjustment
3. NORTH Trigger Adjustment
4. Auxiliary Trigger Adjustment
5. Tone Signal Adjustment
6. Radiated power test level adjustment

C-10363:

1. Ring alarm adjustment

Performance Standard. Complete the requirement per the reference, as verified by instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2818 3.0 730 B,R,M (D) L

Goal. Demonstrate proficiency in deployment procedures for the AN/TRN-44_.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, perform the following tasks:

1. Perform embarkation responsibilities
2. Determine TACAN channel assignment
3. Select appropriate TACAN placement
4. Determine personnel requirements
5. Determine required support equipment
   a. Lift
   b. Environmental Control Unit
   c. Power
   d. Transport

Performance Standard. Given the reference, complete the requirement without error through practical application, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2105, 2175, 2180, 2210, 2520, 2802, 2846

External Syllabus Support. None

Reference. EE172-GA-OMI-010

NAV-2820 8.0 365 B,R,M (D) L

Goal. Demonstrate proficiency in packing the AN/TRN-44_.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, accomplish the following tasks:

1. Equipment and materials inventory
2. Identify personnel required

3. Pack TACAN shelter

Performance Standard. Given the references, complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2400, 2402, 2404, 2406, 2408, 2410, 2416, 2434, 2804

External Syllabus Support. None

Reference.
1. EE172-GA-OMI-010
2. COMNAVAIRFORINST 4790.2_

NAV-2822 12.0 730 B,R,M (D) L

Goal. Demonstrate proficiency in AN/TRN-44_ setup and installation.

Requirement. Given a simulated AN/TRN-44_ deployment scenario, accomplish the following tasks:

1. Identify personnel and safety requirements
2. Unpack equipment from TACAN shelter
3. Place antenna scaffolding in relation to shelter
4. Erect scaffolding
5. Hoist antenna
6. Connect system cables and weatherproof
7. Ground system
8. Connect ancillary equipment

Performance Standard. Complete the requirements without error through practical application, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2806

External Syllabus Support. None

Reference.
1. EE172-GA-OMI-010
2. 16-60AB1302-1

NAV-2824 2.0 730 B,R,M D L

Goal. Demonstrate proficiency in the performance of pre-operational checks of AN/TRN-44_.

Requirement. Given a AN/TRN-44_ and all applicable technical manuals, demonstrate the following:

1. Power up system
2. Demonstrate proper operational check of systems
3. Perform North Alignment
4. Tune AN/URN-25_ to assigned channel
5. Place AN/URN-25_ into On-Air Mode

Performance Standard. Complete the requirements without error through practical application, as verified by the instructor.

Instructor. BI, SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2808, 2810, 2812

External Syllabus Support. None

Reference.
1. EE172-GA-OMI-010
2. 16-70OE258/URN-1

NAV-2826 2.0 730 B,R,M (D) L

Goal. Configure AN/URN-25_ for Emergency Operating Modes.

Requirement. Perform the following tasks:

1. Configure AN/URN-25_ for IPA Only Mode of Operation
2. Configure AN/URN-25_ for PA Only Mode of Operation
3. Configure AN/URN-25_ for SSD Only Mode of Operation

Performance Standard. Given the reference, complete the requirements without error via practical application, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2816

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2828 8.0 730 B,R,M (D) L

Goal. Demonstrate proficiency in the performance of system alignments on the AN/URN-25_.

Requirement. Given AN/URN-25 system and applicable technical manuals, perform the following:

1. Ac Power Monitor Card (1A1A15A1) Alignment
2. Antenna Interface Card (1A1A10) Alignment
3. Low Voltage Power Supply (1A1A18PS1) Alignment

4. Trigger Control Card (1A1A11) Alignment
5. IPA/PA Filament Voltage Adjustment
6. IPA And PA Bias Alignment
7. Low Level Modulator Alignment
8. High Level Modulator (1A2A11) Alignment
9. Emergency Lower Power Alignment
10. Peak Power Alignment
11. Ring Alarm Alignment

Performance Standard. Complete the requirements without error via practical application, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2100, 2115, 2120, 2175, 2180, 2490, 2704, 2706, 2720, 2816

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2830 16.0 1095 B,R,M (D) L

Goal. Demonstrate proficiency on Lowest Replaceable Unit (LRU) remove and replace procedures of an AN/TRN-44_.

Requirement. Given an AN/TRN-44_ system and applicable technical manuals, demonstrate the following:

1. Remove and replace AN/URN-25_ select cards and modules, as determined by the instructor
2. Remove and replace OQ-327_ select cards and modules, as determined by the instructor
3. Remove and replace AS-3184_ select cards and modules, as determined by the instructor

Performance Standard. Complete the requirements per the references, as verified by instructor.

Instructor. BI/SI

Prerequisite 2704, 2706, 2720, 2751

External Syllabus Support. None

Reference.
1. EE172-GB-OMI-010
2. COMNAVAIRFORINST 4790.2_
3. 16-70OE258/URN-1

NAV-2832 8.0 730 B,R,M (D) L

Goal. Demonstrate proficiency in the performance of system alignments on the OQ-327_ sub-systems.

Requirement. Given OQ-327_ Monitor Test Control Group and applicable technical manual, perform the following alignments:

1. ID-2330:
   a. Power Supply Adjustment
   b. Tone Oscillators Adjustment
   c. Receiver Adjustment
   d. 10 Hz Clock Adjustment
2. C8534/TRA-45:
   a. Power Supply Adjustment
   b. Receiver Adjustments
   c. 7.4-kHz Oscillator Adjustment
   d. Decoder Adjustments
3. O-1882_:
   a. 5.75 VREF Adjustment
   b. 1.265 VREF Adjustment
   c. NORTH Trigger Adjustment
   d. Auxiliary Trigger Adjustment
   e. Tone Signal Adjustment
   f. Radiated power test level adjustment
4. C-10363:
   a. Ring alarm adjustment

Performance Standard. Complete the requirements without error via practical application, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2100, 2115, 2120, 2175, 2180, 2490, 2704, 2706, 2720, 2816

External Syllabus Support. None

Reference. EE172-AB-OMP-010

NAV-2834 1.0 * B (D) L

Goal. Discuss AN/TRN-47_ capabilities.

Requirement. Identify and explain the following:

1. Bearing
2. ID
3. DME
4. Squitter
5. Range
6. Power out
7. Remote

Performance Standard. Given the reference, complete the requirement without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference. 16-30TRN47-1

NAV-2836 1.0 365 B,R,M (D) L

Goal. Identify and explain deployment requirements and procedures for the AN/TRN-47_.

Requirement. Given a simulated AN/TRN-47_ deployment scenario, perform the following tasks:

1. Discuss embarkation requirements
2. Discuss TACAN channel assignment
3. Discuss appropriate site selection criteria
4. Discuss personnel requirements
5. Discuss power requirements

Performance Standard. Given the reference, complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2055, 2060, 2100, 2105, 2110, 2115, 2120, 2125, 2135, 2140, 2145, 2150, 2155, 2160, 2165, 2170, 2175, 2180, 2200, 2210, 2300, 2400, 2402, 2404, 2408, 2410. 2416, 2422, 2434, 2436, 2438, 2440, 2442, 2444, 2446, 2448, 2450, 2452, 2464, 2466, 2468, 2470, 2600, 2700, 2704, 2706, 2707, 2709, 2716, 2718, 2720, 2724, 2727, 2731, 2733, 2735, 2737, 2742, 2744, 2751, 2753, 2800, 2802, 2804, 2806, 2808, 2810, 2812, 2814, 2816, 2834, 2836, 2838, 2840, 2842, 2846, 2852, 2854, 2856, 2858, 2862, 2868, 2870, 2872, 2876, 2878, 2900, 3000, 3005, 3200, 6100

External Syllabus Support. None

Reference. 16-30TRN47-1

NAV-2838 1.5 365 B,R,M (D) L

Goal. Demonstrate proficiency in the setup and tear down of the AN/TRN-47_.

Requirement. Given an AN/TRN-47_ and applicable technical manual, perform the following:

1. Set up the system.
2. Tear down the system.

Performance Standard. Complete the requirements without error via practical application, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2105, 2175, 2180, 2210, 2490, 2706

External Syllabus Support. None

Reference. 16-30TRN47-1

NAV-2840 1.0 365 B,R,M (D) L

Goal. Identify and explain operational checks of an AN/TRN-47_.

Requirement. Given an AN/TRN-47_ and applicable technical manual, discuss the following:

1. Power up system
2. Discuss the proper operational checks of system

Performance Standard. Given the reference, complete the requirements without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference. 16-30TRN47-1

NAV-2842 4.0 730 B,R,M (D) L

Goal. Demonstrate proficiency of removal and replacement procedures of Line Replaceable Unit's (LRU's) within an AN/TRN-47_.

Requirement. Given an AN/TRN-47_ and applicable technical manuals, demonstrate the following:

1. Perform proper remove and replace procedures on select cards and modules, as determined by the instructor
2. Return system to an operational status

Performance Standard. Complete the requirements without error via practical application, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2704, 2706, 2720, 2751

External Syllabus Support. None

Reference.
1. NAVAIR 16-30TRN47-1
2. COMNAVAIRFORINST 4790.2_

NAV-2844 4.0 730 B,R,M (D) L

Goal. Discuss and demonstrate proficiency in the performance of system alignments and adjustments on the AN/TRN-47_.

Requirement. Given an AN/TRN-47_ and applicable technical manual, discuss and demonstrate the following:

1. Peak power adjustment
2. Peak power alarm adjustment
3. Reply delay alarm adjustment
4. 1350hz oscillator adjustment
5. Squitter rate and pulse rate adjustment
6. YIG tuning adjustment

Performance Standard. Complete the requirements without error via oral and practical application, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2100, 2110, 2115, 2120, 2145, 2155, 2175, 2180, 2490, 2704, 2706, 2720, 2816

External Syllabus Support. None

Reference. 16-30TRN47-1

NAV-2846 2.0 730 B,R,M (D) L

Goal. Explain site selection criteria.

Requirement. Given a simulated TACAN deployment scenario, Discuss the following:

1. Discuss site selection based on terrain features and obstructions
2. Discuss site specific conditions for compliance with Hazardous Electromagnetic Radiation to Ordnance (HERO), Hazardous Electromagnetic Radiation to Personnel (HERP), and Hazardous Electromagnetic Radiation to Fuel (HERF)

3. Discuss the placement of the TACAN in relation to other ATC systems

Performance Standard. Given the references, complete the requirement without error verbally, as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

External Syllabus Support. None

Reference.
1. 16-30TRN47-1
2. EE172-GA-OMI-010
3. 16-60AB1302-1

NAV-2848 1.0 1095 B,R,M (D) L

Goal. Conduct a Flight Check on AN/TRN-44_.

Requirement. Given a simulated TACAN deployment scenario, accomplish the following:

1. Operate a PRC-117_ Radio set
2. Adjust the equipment correctly IAW the technical manual

Performance Standard. Given a PRC-117_ Radio and AN/TRN-44_ TACAN system, conduct a Flight Check, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2812

External Syllabus Support. FAA flight check aircraft and crew.

Reference.
1. TM 10515-0109-4000 AN/PRC-117 Quick Ref Guide
2. FAAO 8200.1_.

NAV-2850 1.0 1095 B,R,M (D) L

Goal. Conduct a Flight Check on AN/TRN-47_.

Requirement. Given a simulated TACAN deployment scenario, accomplish the following:

1. Operate a PRC-117_ Radio set
2. Adjust the equipment correctly IAW the technical manual

Performance Standard. Given a PRC-117_ Radio and AN/TRN-47_ TACAN set, conduct an Flight Check, as verified by an instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2105, 2175, 2180, 2210, 2490, 2706, 2838

External Syllabus Support. FAA flight check aircraft and crew.

Reference.
1. TM 10515-0109-4000 AN/PRC-117 Quick Ref Guide
2. FAAO 8200.1_.

NAV-2852 0.1 365 B,R,M (D) L

Goal. Perform MC48 N. (OE-258 URN Antenna Group Planned Maintenance)

Requirement. Test operate antenna.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference.
1. MIP 4231/038
2. NAVSEAINST 4790.8

NAV-2854 1.0 365 B,R,M (D) L

Goal. Perform MC45 N. (OE-258 URN Antenna Group Planned Maintenance)

Requirement. Inspect antenna humidity level.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2706, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/038
2. NAVSEAINST 4790.8

NAV-2856 2.0 365 B,R,M (D) L

Goal. Perform MC46 N. (OE-258 URN Antenna Group Planned Maintenance)

Requirement. Test O-1882A/FRN Modulation Generator.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2100, 2115, 2175, 2180, 2490, 2706

External Syllabus Support. None

Reference.
1. MIP 4231/038
2. NAVSEAINST 4790.8

NAV-2858 0.5 365 B,R,M (D) L

Goal. Perform MC47 N. (OE-258 URN Antenna Group Planned Maintenance)

Requirement. Inspect antenna.

Performance Standard. While supervised, perform the requirement without error, as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2706, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/038
2. NAVSEAINST 4790.8

NAV-2860 1.0 365 B,R,M (D) L

Goal. Perform MX60 N. (AN/URN-25 Navigation Set Planned Maintenance)

Requirement.

1. Measure AN/URN-25 reference pulses
2. Check receiver sensitivity, beacon reply delay, and receiver selectivity
3. Check beacon pulse shape
4. Check beacon squitter count
5. Check ID tone
6. Check output reflected power

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2115, 2120, 2175, 2180, 2490

External Syllabus Support. None

Reference.
1. MIP 4231/R50
2. NAVSEAINST 4790.8

NAV-2862 0.5 365 B,R,M (D) L

Goal. Perform FL66 N. (AN/URN-25 Navigation Set Planned Maintenance)

Requirement. Clean AN/URN-25 air filters.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2706, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/R50
2. NAVSEAINST 4790.8

NAV-2864 0.6 365 B,R,M (D) L

Goal. Perform FL67 N. (AN/URN-25 Navigation Set Planned Maintenance)

Requirement. Test operate AN/URN-25.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference.
1. MIP 4231/R50
2. NAVSEAINST 4790.8

NAV-2866 0.5 365 B,R,M (D) L

Goal. Perform HC63 N. (AN/URN-25 Navigation Set Planned Maintenance)

Requirement. Check drawer slides and locks.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2706, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/R50
2. NAVSEAINST 4790.8

NAV-2868 0.2 365 B,R,M (D) L

Goal. Perform KB09 N. (AN/TRN-44A Planned Maintenance)

Requirement.

1. Observe TACAN controls and indicators
2. Verify air conditioning operation

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

NAV-2870 0.6 365 B,R,M (D) L

Goal. Perform KB10 N. (AN/TRN-44A Planned Maintenance)

Requirement. Inspect TACAN antenna support tower.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2060, 2170, 2175

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

NAV-2872 0.4 365 B,R,M (D) L

Goal. Perform KB11 N. (AN/TRN-44A Planned Maintenance)

Requirement. Inspect TACAN shelter.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

NAV-2874 0.2 365 B,R,M (D) L

Goal. Perform KB12 N. (AN/TRN-44A Planned Maintenance)

Requirement. Inspect and lubricate TACAN shelter door.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

NAV-2876 1.5 365 B,R,M (D) L

Goal. Perform MT01 N. (AN/TRN-44A Planned Maintenance)

Requirement. Inspect and clean corner leveling jack.

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

NAV-2878 6.0 365 B,R,M (D) L

Goal. Perform AB96 N. (AN/TRN-44A Planned Maintenance)

Requirement.

1. Clean, inspect and lubricate guyline cables, tensioning winches, fittings and turnbuckle screws
2. Clean, inspect and lubricate winch pulley shafts, and fine adjustment screws on leveling legs
3. Clean, inspect and lubricate the winch gearbox

Performance Standard. While supervised, perform all requirements without error as verified by instructor.

Instructor. BI/SI

Prerequisite. 2000, 2005, 2010, 2055, 2706, 2718

External Syllabus Support. None

Reference.
1. MIP 4231/R80
2. NAVSEAINST 4790.8

3.9.13 MARINE AIR TRAFFIC CONTROL MOBILE TEAM MEMBER (MMTM) STAGE

3.9.13.1 Purpose. To familiarize the trainee with the operation, employment and maintenance of equipment inherent to a Marine Air Traffic Control Mobile Team.

3.9.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMTM-2900 2.0 730 B,R,M D L

Goal. Identify and explain landing zone dimensions and marking patterns.

Requirement. Given the reference, explain the following:

1. Airfield Marking Pattern (AMP)-1
2. AMP-2
3. AMP-3
4. Bullet Trap
5. Inverted T

6. Inverted Y (NATO Y)

Performance Standard. Complete the requirement per the references without error as verified by the instructor.

Instructor. BI/SI

Prerequisite. None

Reference. MMT TACSOP

MMTM-2905 1.0 1095 B,R,M D,N L

Goal. Prepare RT-1694 for basic operation.

Requirement. Given an RT-1694 and SL-3 equipment, perform the following:

1. Attach appropriate SL-3 components for the following
2. Perform power up procedures
3. Set up a channel for operation
4. Program the RT-1694 for Scan operation

Performance Standard. Complete the requirements as verified by instructor.

Instructor. BI/SI

Prerequisite. None

Reference.
1. TM 10515-0103-4100 AN/PRC150(c) Advanced Tactical Radio
2. Operator's Manual

MMTM-2910 1.0 1095 B,R,M D,N L

Goal. Prepare RT-1796 for basic operation.

Requirement. Given an RT-1796 and SL-3 equipment, perform the following:

1. Attach appropriate SL-3 components for the following:
   a. UHF/VHF high band operations
   b. VHF low band operations
2. Perform power-up procedures
3. Set up a normal net.
4. Program the RT-1796 for Scan operations.

Performance Standard. Complete the requirement as verified by instructor.

Instructor. BI/SI

Prerequisite. None

Reference.
1. TM 10515-0109-4100 AN/PRC-117_ Operation Manual
2. TM 10515-0109-4000 AN/PRC-117_ Quick Reference Guide

MMTM-2915 8.0 365 B,R,M D,N L

Goal. Conduct Small Unit Tactics associated with MMT operations.

Requirement. Given the required equipment in a field environment with a MMT and a list of five Military Grid Reference System (MGRS) locations, conduct the following:

1. Complete a land navigation course
2. Demonstrate patrolling techniques

Performance Standard. Complete the requirements per the references without error as verified by the instructor.

Instructor. BI/SI

Prerequisite. MarineNet courses: EPME4310AA Land Navigation, EPME4220AA Offensive Operations

Reference.
1. MCWP 3-11.3: Scouting and Patrolling
2. MCRP 3-11.2_: Marine Troop Leader's Guide
3. FM 3-25.6: Map Reading and Land Navigation

3.9.14 TACTICAL DATA LINK (TDL) STAGE

3.9.14.1 Purpose. To familiarize the trainee with tactical data links, units that utilize tactical data links, and their uses.

3.9.14.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TDL-2955 1.0 * B D L

Goal. State the purpose and capability of Tactical Data Links.

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

1. Link 11A
   a. UHF
   b. HF
2. Link 11B
3. Link 16