

CHAPTER 7

TACTICAL DATA SYSTEMS ADMINISTRATOR (MOS 5974)/INDIVIDUAL TRAINING AND
READINESS REQUIREMENTS

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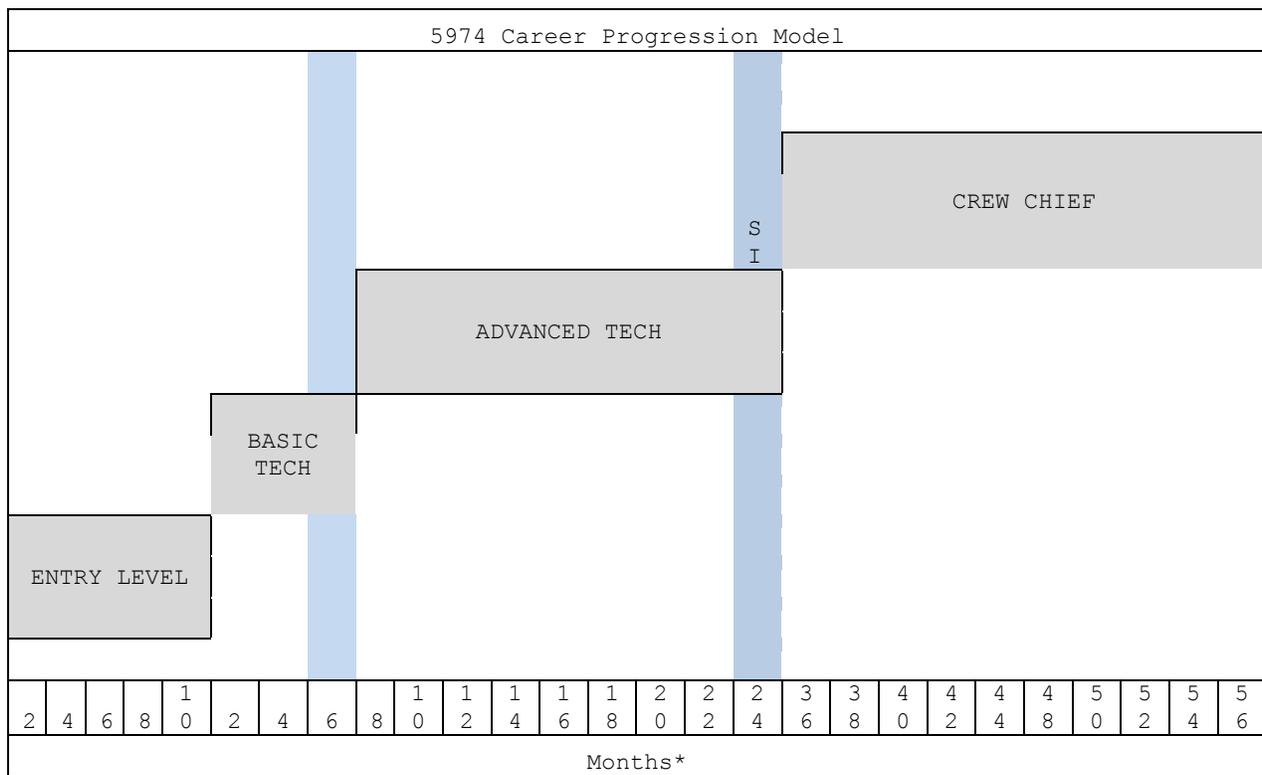
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CHAPTER 7

TACTICAL DATA SYSTEMS ADMINISTRATOR/5974
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

7.0 TACTICAL DATA SYSTEMS ADMINISTRATOR /5974 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

7.1 5974 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



* Months indicated are training months, not calendar months.

7.2 ABBREVIATIONS

TAOC MAINTENANCE MOS 5974	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN

TAOC MAINTENANCE MOS 5974	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
MISSION SKILL (3000 Phase)	
EQUIP	EQUIPMENT
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IAWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IAWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
CORE PLUS (4000 Phase)	
DLC	DATA LINK COORDINATOR
MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
TDSABT	TACTICAL DATA SYSTEM ADMINISTRATOR BASIC TECHNICIAN
TDSAAT	TACTICAL DATA SYSTEM ADMINISTRATOR ADVANCED TECHNICIAN
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY
TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

7.3 DEFINITIONS

TERM	DEFINITION
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.

TERM	DEFINITION
Core Plus Mission	Training events that can be theater specific or that have a low likelihood of occurrence. They are comprised of advanced event(s) that are focused on Core Plus MET performance and draw upon the knowledge, aeronautical abilities, and situational awareness. 4000 Phase events.
Core Skill Proficiency (CSP)	CSP is a measure of training completion for 2000 Phase events. CSP is attained by executing all events listed in the Attain Table for each Core Skill. The individual must be simultaneously proficient in all events within that Core Skill to attain CSP.
Mission Skill Proficiency (MSP)	MSP is a measure of training completion for 3000 Phase events. MSP is attained by executing all events listed in the Attain Table for each Mission Skill. The individual must be simultaneously proficient in all events within that Mission Skill to attain MSP. MSP is directly related to Training Readiness.
Core Plus Skill Proficiency (CPSP)	CPSP is a measure of training completion for 4000 Phase "Skill" events. CPSP is attained by executing all events listed in the Attain Table for each Core Plus Skill. The individual must be simultaneously proficient in all events within that Core Plus Skill to attain CPSP.
Core Plus Mission Proficiency (CPMP)	CPMP is a measure of training completion for 4000 Phase "Mission" events. CPMP is attained by executing all events listed in the Attain Table for each Core Plus Mission. The individual must be simultaneously proficient in all events within that Core Plus Mission to attain CPMP.
MET Phase	This Phase represents community specific unit METs. It combines CMMR crew proficient Marines, Combat Leaders, and designated non-aviation PMOS Marines into combat capable teams.

7.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

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

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

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

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

Note

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

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

Note

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5974	
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI	
ATTAIN PROFICIENCY	MAINTAIN

BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154R	CMN	2154R		
CMN	2156				
CMN	2157				
CMN	2158				
CMN	2159R	CMN	2159R		
TMDE	2173R	TMDE	2173R		
TMDE	2175R	TMDE	2175R		
TMDE	2180R	TMDE	2180R		
COMSEC	2190R	COMSEC	2190R	COMSEC	2190R
COMSEC	2191R	COMSEC	2191R	COMSEC	2191R
COMSEC	2192R	COMSEC	2192R	COMSEC	2192R
COMSEC	2193R	COMSEC	2193R	COMSEC	2193R
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195R	COMSEC	2195R
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199R	COMSEC	2199R	COMSEC	2199R
FAM	2210				
FAM	2214				
FAM	2217				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
FAM	2223				
CD	2230R	CD	2230R		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				
CD	2236				
CD	2237				
CD	2238				
CD	2241R	CD	2241R	CD	2241R
CD	2243				
IWFAT	2250				
IWFAT	2251				
IWFAT	2252				
IWFAT	2253				
IWFAT	2254				
IWFAT	2255				
IWFAT	2256				
IWFAT	2257				
IWFAT	2258				
IWFNT	2259				
IWFNT	2260				
IWFNT	2261				
IWFNT	2262				
IWFNT	2263				
IWFST	2264				
IWFST	2265				
IWFST	2266				
IWFST	2267				
IWFST	2268				

TAOC MAINTENANCE MOS 5974					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
IWFST	2269				
EQUIP	2380				
EQUIP	2381				
EQUIP	2407				
EQUIP	2408				
EQUIP	2409				
EQUIP	2410				
EQUIP	2411				
EQUIP	2412R	EQUIP	2412R	EQUIP	2412R
EQUIP	2413R	EQUIP	2413R	EQUIP	2413R
EQUIP	2414R	EQUIP	2414R	EQUIP	2414R
EQUIP	2415				
EQUIP	2416R	EQUIP	2416R	EQUIP	2416R
EQUIP	2417R	EQUIP	2417R		
EQUIP	2418R	EQUIP	2418R		
EQUIP	2419R	EQUIP	2419R		
EQUIP	2420R	EQUIP	2420R		
EQUIP	2421R	EQUIP	2421R		
EQUIP	2422R	EQUIP	2422R		
EQUIP	2423R	EQUIP	2423R		
MMGT	2601				
MMGT	2602R	MMGT	2602R		
MMGT	2603				
MMGT	2606				
MMGT	2607				
MMGT	2612				
MMGT	2614				
OMGT	2680				
OMGT	2681R	OMGT	2681R	OMGT	2681R
OMGT	2682R	OMGT	2682R	OMGT	2682R
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686R	OMGT	2686R	OMGT	2686R
OMGT	2687				
OMGT	2688R	OMGT	2688R	OMGT	2688R
OMGT	2689				
OMGT	2690				
OMGT	2691				
OMGT	2692				
OMGT	2693				
OMGT	2694R	OMGT	2694R		
MISSION SKILL (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
EQUIP	EQUIP-3461R	EQUIP	EQUIP-3461R	EQUIP	
	EQUIP-3462				
	EQUIP-3463				
	EQUIP-3464R		EQUIP-3464R		EQUIP-3464R
MMGT	MMGT-3660	MMGT		MMGT	
	MMGT-3661R		MMGT-3661R		MMGT-3661R
OMGT	OMGT-3710R	OMGT	OMGT-3710R	OMGT	OMGT-3710R
	OMGT-3711				
	OMGT-3713R		OMGT-3713R		OMGT-3713R

TAOC MAINTENANCE MOS 5974					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
	OMGT-3715				
CORE PLUS (4000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
DLC	4320				
DLC	4321				
DLC	4322				
DLC	4323				
DLC	4324				
DLC	4325				
DLC	4326R	DLC	4326R	DLC	4326R
DLC	4327R	DLC	4327R	DLC	4327R
DLC	4328R	DLC	4328R	DLC	4328R
DLC	4329R	DLC	4329R	DLC	4329R
DLC	4330R	DLC	4330R	DLC	4330R
DLC	4331R	DLC	4331R	DLC	4331R
DLC	4332R	DLC	4332R	DLC	4332R
DLC	4333				
DLC	4335				
DLC	4336				
DLC	4337				
DLC	4338				
MMGT	4600				
MMGT	4604				
MMGT	4605				
MMGT	4608R	MMGT	4608R		
MMGT	4609				
MMGT	4610				
MMGT	4611				
MMGT	4613				
MMGT	4662				
OMGT	4714				
MACG	4750R	MACG	4750R	MACG	4750R
MACG	4751R	MACG	4751R	MACG	4751R
MACG	4752R	MACG	4752R	MACG	4752R
MACG	4753R	MACG	4753R	MACG	4753R
MACG	4754R	MACG	4754R	MACG	4754R
MACG	4755R	MACG	4755R	MACG	4755R
MACG	4756R	MACG	4756R	MACG	4756R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

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

7.5.1 INSTRUCTOR DESIGNATIONS

TAOC MAINTENANCE MOS 5974

INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

7.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualification as an Tactical Data Systems Basic Technician (TDSABT). QUAL-6104	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT). QUAL-6105	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Certification as a COMPTIA A+ Technician. CERT-6200	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281
Certification as a COMPTIA Network+ Technician. CERT-6201	2259, 2260, 2261, 2262, 2263, 3282
Certification as a COMPTIA Security+ Technician. CERT-6203	2264, 2265, 2266, 2267, 2268, 2269, 3283
Designation as a Tactical Data Systems Crew Chief (TDSACC). DESG-6307	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Designation as a Maintenance Safety NCO. DESG-6340	2230, 2235, 2236
Designation as a Maintenance HAZMAT NCO. DESG-6341	2230, 2235, 2236
Designation as a Maintenance Publications NCO. DESG-6342	2230, 2234
Designation as a Maintenance Tools NCO. DESG-6343	2230, 2233
Designation as a Maintenance Calibrations NCO. DESG-6344	2230, 2231
Designation as a Maintenance Modifications NCO. DESG-6345	2230, 2232, 2234
Designation as a Maintenance Embarkation NCO. DESG-6346	2230, 2237
Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347	2159, 2230, 2602
Designation as a Maintenance Training NCO. DESG-6348	2230
Designation as a Maintenance Quality Control (QC) NCO. DESG-6351	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421,

TAOC MAINTENANCE MOS 5974 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
	2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

7.6 5974 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

7.6.1 Basic POI

TAOC MAINTENANCE 5974 BASIC POI		
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-40	CORE SKILL INTRODUCTION TRAINING	MCCES
41-70	CORE SKILL TRAINING	TACTICAL SQUADRON
71-119	MISSION SKILL TRAINING	TACTICAL SQUADRON
119-123	CORE PLUS	TACTICAL SQUADRON

7.6.2 Refresher POI

TAOC MAINTENANCE MOS 5974 REFRESHER POI		
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
VARIES	CORE SKILL TRAINING	TACTICAL SQUADRON
VARIES	MISSION SKILL TRAINING	TACTICAL SQUADRON
VARIES	CORE PLUS	TACTICAL SQUADRON

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

7.7 SYLLABUS NOTES

7.7.1 Environmental Conditions Matrix

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

7.7.2 Device Matrix

DEVICE	
Symbol	Meaning
L	Event shall be conducted live (conducted in the field/garrison, during an exercise, etc). Requires live (non-simulated) execution of the event.

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

7.7.3 Program of Instruction Matrix

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

7.7.4 Event Terms

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

7.8 ACADEMIC PHASE (0000)

7.8.1 Purpose. **RESERVED FOR FUTURE USE**

7.8.2 General

7.8.2.1 Admin Notes.

7.8.2.2 Prerequisites.

7.8.2.3 Stages.

7.9 CORE SKILL INTRODUCTION PHASE (1000)

7.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5974 TACTICAL DATA SYSTEMS ADMINISTRATOR. This training is completed upon graduation from the TACTICAL DATA SYSTEMS ADMINISTRATOR Course.

7.9.2 General.

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

7.9.2.2 Admin Notes. None

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

PAR NO.	STAGE NAME
7.9.3	AIR SCHOOLS (AIRS)

7.9.3 AIR SCHOOLS (AIRS) STAGE

7.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure, setup, administer ADPE, and conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

7.9.3.2 General

Prerequisite. (1) Graduate from the Basic Electronics Course (CID: M092721);
(2) Meet the 5974 requirements delineated in the MOS Manual.

Admin Notes. Tactical Data Systems Administrators Course (CID: M09DZC1), MCCES, located in 29 Palms, CA.

Crew Requirements. None.

AIRS-1070 * B E G

Goal. Configure the PDS.

Requirement. Given the references, a Processing and Display System (PDS), and a simulated communication plan; configure the following:

1. Configure the Operations Trailer.
2. Configure Servers.

3. Configure operator workstations.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

AIRS-1071 * B E G

Goal. Maintain data circuits with the PDS.

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

1. Perform an operational check of data circuits.
2. Maintain data circuits.
3. Maintain operations trailer.
4. Maintain servers.
5. Maintain operations facility.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

AIRS-1072 * B E G

Goal. Manage Windows based systems.

Requirement. Conduct the following:

1. Manipulate the Windows file system.
2. Set owner permissions on Windows objects.

3. Set file permissions on Windows objects.
4. Perform text editing with Microsoft Products.
5. Configure the BIOS.
6. Configure On board RAID controller.
7. Install Windows Operating System.
8. Manage memory on Windows systems.
9. Manage processes on Windows systems.
10. Manage local users.
11. Create Windows back-ups.
12. Perform recovery of Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1074 * B E G

Goal. Manage UNIX based systems.

Requirement. Conduct the following:

1. Manipulate the UNIX file system.
2. Set owner permissions on UNIX objects.
3. Set file permissions on UNIX objects.
4. Utilize UNIX shells.
5. Perform text editing with UNIX Software.
6. Configure Solaris OpenBoot PROM.
7. Utilize UNIX administrative Tools.
8. Install UNIX Operating System.
9. Manage memory on UNIX systems.
10. Manage processes on UNIX systems.
11. Create back-ups for UNIX systems.
12. Perform recovery of UNIX from backup.
13. Analyze UNIX script files.
14. Edit UNIX Script files.
15. Manage local user accounts.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unix in a Nutshell ISBN # 1-56592-001-5
2. Essential System Administration 3rd edition ISBN # 0-596-0034-9
3. Essential System Administration 2nd edition ISBN #0-937175-80-3
4. Essential System Administration ISBN # 0-937175-80-3
5. Solaris System Administration Guide 2nd edition ISBN 1-57870-40-x
6. Marine Net- Memory, Motherboards, and Processors course code-123905

AIRS-1075 * B E G

Goal. Manage Networked Operating Systems (NOS).

Requirement. Given a network site diagram, conduct the following:

1. Configure UNIX networking components.
2. Configure Windows networking components.
3. Configure network services.
4. Configure NFS.
5. Configure DFS.
6. Manage Active Directory.
7. Configure network attached storage device.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Active Directory ISBN #0-596-00466-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Kerberos the definitive guide ISBN #0-596-00403-6
4. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
5. Marine Net - Basic Networking course code-123906
6. Solaris Performance administration ISBN #0-07-011768-3
7. Essential System Administration 3rd edition ISBN # 0-596-0034-9
8. Essential System Administration 2nd edition ISBN #0-937175-80-3
9. Essential System Administration ISBN # 0-937175-80-3

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
2. Introduction to VMware vSphere
http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf
3. Installation Guide for the Combat Operations Center Virtual Center Server 1.0.0.0 Build 7 for AN/TSQ-239(V)2, (V)3, and (V)4 Software Release Package 5.3.0.0 Build 1 Restore Media
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140 and Sun Netra T2000

AIRS-1078 * B E G

Goal. Configure TBMCS remotes.

Requirement. Configure the following:

1. Configure TBMCS remote.
2. Configure TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1079 * B E G

Goal. Configure Network Security.

Requirement. Given a network diagram, Windows computer(s), UNIX computer(s), switch(es), and router(s) conduct the following:

1. Configure computer security components.
2. Configure security on switches.
3. Configure security on routers.
4. Construct ACL.
5. Install firewall.

6. Configure firewall.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Cisco IOS in a nutshell ISBN #0-596-00869-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Networking for dummies ISBN #0-7645-0498-3
4. Exchange Server Cook Book ISBN #0-596-00717-5

AIRS-1080 * B E G

Goal. Configure Intelligence Operations Server (IOS).

Requirement. Configure the following:

1. Install IOS software.
2. Configure the IOS.
3. Configure CST channels.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09858A/10275A-13/1

AIRS-1081 * B E G

Goal. Configure the Joint Range Extension (JRE).

Requirement. Describe the following:

1. Describe the characteristics of the JRE.
2. Configure JRE.
3. Configure the JRE application.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 7025-OR/1
2. TM 7025-OR/2
3. TM 7025-OR/3

AIRS-1084 * B E G

Goal. Configure the Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Conduct the following:

1. Install the LMS-MT software.
2. Configure the LMS-MT software.
3. Configure the LMS-MT hardware.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11655A-OD

AIRS-1085 * B E G

Goal. Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI.

Requirement. Given an ADSI, perform the following:

1. Configure JREAP-A.
2. Initialize JREAP-A.
3. Configure JREAP-B.
4. Initialize JREAP-B.
5. Configure JREAP-C.

4. Configure the HF radio set.
5. Initialize Link-11.
6. Configure the ADSI for Link-11.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM M1108
2. KG-40A User's Manual
3. TM 09780A-13 P/1
4. TM 8076000505
5. ADSI Installation and Configuration Guide

AIRS-1090 * B E G

Goal. Establish Link-11B.

Requirement. Given a CDLS, establish Link-11B by performing the following:

1. Configure the modem.
2. Configure crypto device.
3. Initialize Link-11B.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ADSI Hardware Description Document
2. KIV-7 HSB User's Manual
3. ADSI Installation and Configuration Guide

AIRS-1091 * B E G

Goal. Describe Windows based systems.

Requirement. Conduct the following:

1. Identify different versions of Windows.
2. Identify capabilities of Windows versions.
3. Describe the Windows file system.
4. Describe text editing with Microsoft products.
5. Describe the BIOS.
6. Explain the Windows boot process.
7. Describe the Windows administrative tools.
8. Describe RAID.
9. Describe on-board RAID controller.
10. Describe installation procedures for Windows Operating System.
11. Describe memory management on Windows systems.
12. Describe process management on Windows systems.
13. Describe procedures to create local users.
14. Describe procedures to create back-ups of Windows.
15. Describe procedures to recover Windows from backup.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3
2. MCWP 3-25.4
3. DNS on windows 2000 ISBN #0-596-00230-0
4. Windows Server Cookbook ISBN #0-596-00633-0
5. Windows NT in a Nutshell ISBN #1-56592-251-4
6. Essential Windows NT ISBN #1-56592-274-3
7. TCP/IP Network Administration ISBN #1-56592-322-7
8. Active Directory ISBN #0-596-00466-4

AIRS-1092 * B E G

Goal. Describe UNIX based systems.

Requirement. Conduct the following:

1. Identify different versions of UNIX.
2. Identify capabilities of different UNIX versions.
3. Describe the UNIX file system.
4. Describe UNIX shells.
5. Describe text editing with UNIX Software.
6. Describe the Solaris OpenBoot PROM.
7. Describe the Solaris boot process.
8. Describe UNIX administrative Tools.
9. Describe Installation of UNIX Operating System.
10. Describe memory management on UNIX systems.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TCP/IP Network Administration ISBN #1-56592-322-7
2. Computer Network and Internets
3. Data Communication Network Devices ISBN #0-471-97515-x
4. Essential System Administration ISBN #0-596-00343-9
5. Cisco Router 24 Seven Sybex manual

AIRS-1094 * B E G

Goal. Describe Networked Operating Systems (NOS).

Requirement. Conduct the following:

1. Describe UNIX networking components.
2. Describe Windows networking components.
3. Describe network services.
4. Describe Network File System (NFS).
5. Describe Distributed File System (DFS).
6. Describe Active Directory.
7. Describe Kerberos.
8. Describe Samba.
9. Describe network attached storage device.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Active Directory ISBN #0-596-00466-4
2. Managing NFS and NIS ISBN #0-937175-75-7
3. Kerberos the definitive guide ISBN #0-596-00403-6
4. The Official Samba-3 how to and reference guide ISBN #0-13-145355-6
5. Marine Net - Basic Networking course code-123906
6. Solaris Performance administration ISBN #0-07-011768-3
7. Essential System Administration 3rd edition ISBN #0-596-0034-9
8. Essential System Administration 2nd edition ISBN #0-937175-80-3
9. Essential System Administration ISBN # 0-937175-80-3
10. Solaris 2.6 Administration certification part 1 ISBN 1-57870-

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. TM M1108
3. KG-40A User's Manual
4. TM 09780A-13 P/1
5. TM 8076000505

AIRS-1097 * B E G

Goal. Describe Link-11B.

Requirement. Conduct the following:

1. Describe the characteristics of Link-11B.
2. Describe modem operations.
3. Describe the modem.
4. Describe the function of crypto device.
5. Describe NATO Link 1.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6011A
2. ADSI Hardware Description Document
3. KIV-7 HSB User's Manual
4. ADSI Installation and Configuration Guide
5. STANAG 5501

AIRS-1098 * B E G

Goal. Describe Link-16.

Requirement. Describe the following:

1. Describe the characteristics of Link-16.
2. Describe the function of the MIDS Terminal.
3. Describe the components of the MIDS Terminal.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 6016
2. TM 5985-24/27
3. ADSI Installation and Configuration Guide

AIRS-1099 * B E G

Goal. Describe Joint Range Extension Application Protocol (JREAP).

Requirement. Describe the following:

1. Describe the characteristics of JREAP-A.
2. Describe the characteristics of JREAP-B.
3. Describe the characteristics of JREAP-C.
4. Describe hardware needed to establish JREAP-A.
5. Describe hardware needed to establish JREAP-B.
6. Describe hardware needed to establish JREAP-C.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MIL-STD 3011 Appendix A
2. MIL-STD 3011 Appendix B
3. MIL-STD 3011 Appendix C

AIRS-1100 * B E G

Goal. Describe Link Management System Multi Tactical Data Link (LMS-MT).

Requirement. Describe the following:

1. Describe the LMS-MT.
2. Describe installation of LMS-MT.
3. Describe LMS-MT software configuration.
4. Describe LMS-MT hardware configuration.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11655A-OD

AIRS-1101 * B E G

Goal. Describe Intelligence Operations Server (IOS).

Requirement. Describe the following:

1. Describe the IOS.
2. Describe installation of IOS.
3. Describe Framework configuration.
4. Describe Common Operational Picture (COP).
5. Describe Universal Build (UB).
6. Describe COP Synch Tool (CST) feed.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM-09858A/10275A-13/1
2. SL-3-10753C

AIRS-1102 * B E G

Goal. Describe TBMCS.

Requirement. Describe the following:

1. Describe TBMCS.
2. Describe TBMCS web remotes.
3. Describe TBMCS applications.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SysAd Training Lessons TBMCS Version 1.1.3 System Administration SUM
2. TBMCS Software Users Manual
3. LOAD APP C - TACC
4. TBMCS Spiral 1.1.3 Sums

AIRS-1103 * B E G

Goal. Describe a virtualized server computing environment.

Requirement. Describe the following:

1. Describe the characteristics of a host operating system.
2. Describe the characteristics of a guest operating system.
3. Describe the menus of the host management utility.
4. Describe high availability.
5. Describe a cluster.
6. Describe virtual machine migration.
7. Describe a virtual machine snapshot.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. Introduction to VMware vSphere
http://www.vmware.com/pdf/vsphere4/r41/vsp_41_intro_vs.pdf
4. Intelligence Analysis System (IAS) Intelligence Server - UNIX (IS-U) 5.0.2.0 System Administrator's Manual (SAM) for the Sun SPARC T5140

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

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.10 CORE SKILL TRAINING (2000)

7.10.1 Purpose. To develop core skill proficiency for 5974 personnel to be able to perform duties while assigned to the TAOC TDS section.

(1) Basic Technicians will gain core skill proficiency in basic systems administration and maintenance.

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

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

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

7.10.2 General.

7.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSABT). Core Skill Introduction training must be completed prior to beginning TDSABT training.

(2) Tactical Data System Administrator Advanced Technician(TDSAAT).

Must be qualified as an ASCBT prior to beginning TDSAAT training.

(3) Tactical Data Systems Crew Chief (TDSCC). Must be qualified as an TDSAAT prior to beginning ASCC training.

7.10.2.2 Admin Notes.

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

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

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

PAR NO.	STAGE NAME
7.10.3	MACCS MAINTENANCE COMMON (CMN)
7.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
7.10.5	COMMUNICATION SECURITY (COMSEC)
7.10.6	FAMILIARIZATION (FAM)
7.10.7	COLLATERAL DUTY (CD)
7.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
7.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
7.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
7.10.11	EQUIPMENT (EQUIP)
7.10.12	MAINTENANCE MANAGEMENT (MMGT)
7.10.13	OPERATIONAL MANAGEMENT (OMGT)

7.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

7.10.3.1 Purpose. To teach the trainee common skills to all 5900 MOSs within the MACCS.

7.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150 2.0 * B L

Goal. Conduct an SL-3 inventory.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2151 1.5 * B L

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

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

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2152 2.0 * B L

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

Requirement. Given the reference, equipment or a scenario:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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

Goal. Demonstrate an earth ground installation.

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

1. Identify ground tolerances for equipment and personnel.
2. Identify methods of grounding.
3. Identify a method for improving a ground.
4. Identify proper location to test a ground.
5. Install an earth ground using a:

- a. Grounding rod.
 - b. MK-2551A/U Grounding Kit (SWGS).
6. Verify proper grounding reading utilizing appropriate test equipment.

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

Instructor. BI, SI

Prerequisite. 2173

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2154 2.0 * B, R L

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

Requirement. Identify the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2156 2.0 * B Shelter L

Goal. Emplace shelter.

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

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

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

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2157 2.0 * B Shelter L

Goal. Cable shelter for power.

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

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

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

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2158 1.0 * B Tool box L

Goal. Demonstrate how to maintain a tool box.

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

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

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

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2159 1.0 * B, R _____ GCSS L

Goal. Initiate a service request.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

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

7.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

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

7.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

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

Goal. Utilize a Ground Tester.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

TMDE-2175 1.0 * B, R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2180 1.0 * B, R LAN Analyzer L

Goal. Utilize LAN analyzer.

Requirement. Given the references, LAN analyzer, and network cable, perform the following:

1. Identify LAN analyzer.
2. State its purpose.
3. Analyze network cable.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

Applicable user manual

7.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

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

7.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2191 2.0 365 B, R, M L

Goal. State the physical security requirements for classified areas.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2192 2.0 365 B, R, M L

Goal. Create a classified area physical security diagram.

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

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

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

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2193 2.0 365 B, R, M _____ L

Goal. Conduct classified material inventory.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 * B, R _____ L

Goal. Extract key material information from EKMS COMSEC callout.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_

COMSEC-2196 2.0 * B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2197 2.0 * B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2198 1.0 * B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M L

Goal. Ensure physical security of classified areas.

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

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

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

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.10.6 FAMILIARIZATION (FAM) STAGE

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

7.10.6.2 General

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

Admin Notes. None

Crew Requirements. None

FAM-2210 2.0 * B L

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2214 1.0 * B L

Goal. Describe MTAOM equipment.

Requirement. Given the references:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2217 1.0 * B L

Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

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

- b. Power output
- c. Types of antennas.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2219 1.0 * B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V) 3

FAM-2220 1.0 * B L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

FAM-2222 1.0 * B L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

FAM-2223 1.0 * B _____ L

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

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operational Tasking Cooperative Engagement Capability (OPTASKCEC)
2. TM 11406A-OR/2 Command System Tactical AN/MSQ-143
3. TM 11406A-ORG Command System Tactical AN/MSQ-143

4. TM 11406A-OI AN/USG-4A Composite Tracking Network
5. TM 08611B/10987A/11406A-OR/1 Telescopic Mast Family
6. TM 08611B/10987A/11406A-OR/2 Erection Instructions CSA Fanlite
7. TM 08611B/10987A/11406A-OR/3 Appendix G CSA Fanlite

7.10.7 COLLATERAL DUTY (CD) STAGE

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

7.10.7.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230 8.0 * B, R L

Goal. State the maintenance Collateral Duties (CD).

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

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

- b. State the duty responsibilities.
- 11. Training Program
 - a. State the purpose of the Training program.
 - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2_
4. TM 4700-15/1_
5. Applicable CD Desktops
6. MCO 5100.29_
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231 1.0 * B L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

CD-2234 2.0 * B _____ L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

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

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235 2.0 * B _____ L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
 - a. Define ESD.
 - b. Setup ESD workstation.
 - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
 - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
 - a. Electrical hazards.
 - b. Eye hazards.
 - c. Hearing hazards.
 - d. RF hazards.
 - e. Fire hazards.
5. Identify HAZMAT procedures.
 - a. State purpose of a Material Safety Data Sheets (MSDS).
 - b. Properly store and label HAZMAT materials.
 - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
 - d. State the purpose of and locate and read safety board.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29_
2. MCO 4450.12_
3. MCO 5100.8_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236 2.0 * B L

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

Requirement. Given an MSDS and references, perform the following:

1. State the purpose of MSDS.
2. List the section of an MSDS.
 - a. Chemical identity.

- b. Manufactures name and contact information.
 - c. Hazardous ingredients/identity information.
 - d. Physical/chemical characteristics.
 - e. Fire and explosion hazard data.
 - f. Reactivity data.
 - g. Health hazard data.
 - h. Precautions for safe handling and use.
 - i. Control measures.
3. State the purpose of the MSDS center.
 4. Locate the MSDS compliance center in the maintenance department.

Performance Standard. With the aid of the MSDS Binder, state the purpose and components of a Material Safety Data Sheet (MSDS) without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Maintenance Safety SOP
2. MSDS binder
3. 29 CFR 1910.1200
4. MCO 4450-12
5. MCO P4790.2
6. Associated Desktop
7. OSHA 29 CFR refer to
http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=standards&p_id=10099

CD-2237 3.0 * B L

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

Requirement. Given the references, perform the following:

1. State the purpose of the maintenance embarkation program.
2. State the purpose of the equipment density list (EDL).
3. List length, width, height, and weight of major end items.
4. Identify ground equipment transportation requirements.
5. Identify Heavy Equipment (HE) requirements needed for systems movement.

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CD-2238 1.0 * B L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CD-2241 2.0 1460 B, R, M L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
 - a. Ensure equipment is being maintained to equipment standards.
 - b. Ensure quality controls are being adhered to.
 - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
 - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
 - e. Verify the repair process is properly implemented by ensuring that:
 - (1) Proper tools were used.
 - (2) ESD procedures were used.
 - (3) Safety warnings were adhered to.
 - (4) Necessary defective parts were replaced.
 - (5) Correct software was used, as applicable.
 - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

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

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243 2.0 * B L

Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.

3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

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

Instructor. BI, SI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2_
3. NAVMC 3500.14_
4. MCRP 3-01_

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

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

7.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 * B E L

Goal. Explain PC hardware.

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

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

10. Given a scenario, evaluate types and features of display devices.
11. Identify connector types and associated cables.
12. Explain the installation and configuration of various peripheral devices.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2251 4.0 * B E L

Goal. Explain networking concepts.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2252 4.0 * B E L

Goal. Explain laptop features and characteristics.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2253 4.0 * B E L

Goal. Explain printer features and characteristics.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2254 4.0 * B E L

Goal. Explain operational procedures.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2255 4.0 * B E L

Goal. Explain operating systems.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2256 4.0 * B E L

Goal. Explain security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2257 4.0 * B E L

Goal. Explain Mobile Devices.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2258 4.0 * B E L

Goal. Explain Troubleshooting.

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

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
7. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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

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

7.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 * B E L

Goal. Explain Networking Concepts.

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

1. Compare the layers of the OSI and TCP/IP models.
2. Classify how applications, devices, and protocols relate to the OSI model layers.
3. Explain the purpose and properties of IP addressing.
4. Explain the purpose and properties of routing and switching.
7. Identify common TCP and UDP default ports.
6. Explain the function of common networking protocols.
7. Summarize DNS concepts and its components.
8. Given a scenario, implement the following network troubleshooting methodology.
9. Identify virtual network components.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2260 4.0 * B E L

Goal. Explain Network Installation and Configuration.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2261 4.0 * B E L

Goal. Explain Network Media and Topologies.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2262 4.0 * B E L

Goal. Explain Network Management.

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2263 4.0 * B E L

Goal. Explain Network Security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
STAGE

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

7.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 * B E L

Goal. Explain Network Security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2265 4.0 * B E L

Goal. Explain Operational Security.

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

1. Explain risk related concepts.
2. Explain appropriate risk mitigation strategies.

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2266 4.0 * B E L

Goal. Explain threats and vulnerabilities.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2267 4.0 * B E L

Goal. Explain cryptography.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2268 4.0 * B E L

Goal. Explain access control and identity management.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2269 4.0 * B E L

Goal. Explain application, data and host security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.10.11 EQUIPMENT (EQUIP) STAGE

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

7.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 * B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.

4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140 (V)2.
6. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2381 4.0 * B L

Goal. Identify the major components of the AN/USQ-140 (V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V)2
4. MIL-STD-6016E

EQUIP-2407 8.0 * B L

Goal. Troubleshoot tactical data systems.

Requirement. Given a faulty data system or scenario, perform the following:

1. Identify the problem.
2. Establish a theory of probable cause (question the obvious).
3. Test the theory to determine the cause.
4. Establish a plan of action to resolve the problem and implement the solution.
5. Verify full system functionality and, if applicable, implement preventative measures.
6. Document findings, actions, and outcomes.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. Applicable TMs

EQUIP-2408 4.0 * B L

Goal. Perform PMCS on ADPE.

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

1. Conduct PMCS on TDS ADPE IAW the reference.
2. Complete all required administrative actions.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050A-OD/1 System Administration and Maintenance Manual (SAMM)
2. Appropriate technical manual

EQUIP-2409 2.0 * B L

Goal. Initiate corrective maintenance on TDS ADPE.

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

1. Conduct CM on the TDS ADPE IAW the reference and identify faulty component.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

EQUIP-2410 2.0 * B L

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2411 4.0 * B L

Goal. Setup PDS network equipment.

Requirement. Given a site diagram, required preconfigured equipment, and references, perform the following:

1. Emplace components.
2. Make a straight through Ethernet cable as required.
3. Make a crossover Ethernet cable as required.
4. Cable components.
5. Energize components.
6. Conduct operational status check.
7. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

EQUIP-2412 4.0 730 B, R, M L

Goal. Configure workstation.

Requirement. Given an emplaced system, perform the following:

1. Energize workstation.
2. configure workstation.
 - a. Host name.
 - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

EQUIP-2413 2.0 730 B, R, M L

Goal. Configure printer.

Requirement. Given an emplaced system, perform the following:

1. Energize printer.
2. configure printer.
 - a. Host name.
 - b. IP address.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

EQUIP-2414 4.0 730 B, R, M L

Goal. Configure PDS network equipment.

Requirement. Given an emplaced system, perform the following:

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document any changes to system configuration as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)

EQUIP-2415 4.0 * B L

Goal. Install ADPE operating system software.

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

1. Restore operating system from clone/backup/system image.
2. Update to current software release.
3. Configure operating system as required.
4. Document changes to system configuration.

Performance Standard. With the aid of reference install the operating system and update to the current software release IOT operate in a classified environment without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2416 4.0 730 B, R, M L

Goal. Configure ADPE C2 application software.

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

1. Configure C2 system software as required.
2. Document changes to system configuration.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2417 4.0 * B, R L

Goal. Perform network management.

Requirement. Given a LAN, references, and required equipment, perform the following:

1. Monitor the LAN for connectivity.
2. Assist troubleshoot connectivity with external agencies.
3. Log Files Check.
4. Network Time Check.
5. Trouble Shoot Network error(s).
6. Set QoS settings.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2418 4.0 * B, R L

Goal. Perform disaster recovery management.

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

1. Plan system backup.
2. Create system backup.
3. Restore from backup.
4. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2419 4.0 * B, R L

Goal. Perform logfile management.

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

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

Performance Standard. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation

requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2420 4.0 * B, R L

Goal. Perform network data storage management.

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

1. Plan share file structure.
2. Set permissions for shared files.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2421 1.0 * B, R L

Goal. Perform account management.

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

1. Plan user accounts.
2. Create user accounts IAW naming convention.
3. Create groups IAW naming convention.
4. Set account permissions.
5. Manage user accounts.
6. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2422 4.0 * B, R L

Goal. Apply Software release updates.

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

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup systems as required.
5. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

EQUIP-2423 2.0 * B, R L

Goal. Manage disk space.

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

1. Check disk space.
2. Archive files to removable media as required.
3. Delete files as required.
4. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

7.10.12 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

7.10.12.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2601 1.0 * B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

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

Instructor. BI, SI

Prerequisite. 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2602 4.0 * B, R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
 - a. Maintenance Production Report (MPR).
 - b. Equipment Status Report (ESR).
 - c. Preventative Maintenance Report.
 - d. Calibrations Report.
 - e. Modification Instruction report.
 - f. Maintenance Management Report (MMR).
 - g. Loaded unit balance file (LUBF).
 - h. Due and status file (DASF).
 - i. Service Request (SR).
 - (1) Tasks.
 - (2) Notes.
 - (3) Parts Requirements.
 - j. Inspection repair tag (NAVMC 1018).
 - k. Layette bin.
 - (1) Sub-Inventory.
 - (2) Stage.
 - l. Oracle Installed Base.
 - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCBUL 3000
3. MCO P4400.16
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 * B L

Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

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

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2606 2.0 * B L

Goal. Induct new equipment into service.

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

1. Review the Users Logistics Support Summary (ULSS) or Material Fielding Plan (MFP).
2. Validate new equipment is properly placed into service.
 - a. Ensure record jacket was created with proper documentation

IAW the reference.

- b. Ensure initial SL-3 was performed.
- c. Ensure an initial LTI was performed.
- d. Ensure induction of new equipment into calibration cycle as required.
- e. Ensure equipment is accounted for within EKMS as required.

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

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

MMGT-2607 2.0 * B L

Goal. Phase out equipment.

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

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

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

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2612 1.5 * B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
 - a. Item on-hand availability status.
 - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2614 1.0 * B L

Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_
4. Unit SOP
5. UM 4400-125 (draft)

7.10.13 OPERATIONAL MANAGEMENT (OMGT) STAGE

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

7.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2680 2.0 * B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.

5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.
7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2682 4.0 1460 B, R, M L

Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
 - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
 - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordnance (HERO) regulations.
 - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
 - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6

2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V)4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 * B L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

OMGT-2684 3.0 * B L

Goal. Determine supply support requirements.

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

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

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

Instructor. BI, SI

Prerequisite. 2691

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

OMGT-2685 1.0 * B L

Goal. Develop an embarkation plan.

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

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2686 8.0 1460 B, R, M L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2687 8.0 * B L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

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

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 * B L

Goal. Identify spectrum management procedures.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 * B L

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

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

OMGT-2691 2.0 * B L

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

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

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.

5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2692 1.0 * B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

OMGT-2693 2.0 * B L

Goal. Identify communication service request procedures.

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

1. Identify submission timelines.
2. Identify data elements.
 - a. Internet protocol addresses.
 - b. Location, user accounts.
 - c. Dates.
 - d. Phone lines.
 - e. C2 application support.
 - f. Data network services (NIPR/SIPR).
 - g. Firewall exemptions.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B

OMGT-2694 2.0 * B, R _____ L

Goal. Draw a site diagram for the TAOC.

Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.11 MISSION SKILL TRAINING (3000)

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

7.11.2 General.

7.11.2.1 Prerequisite.

7.11.2.2 Admin Notes.

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

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

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

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

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

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

PAR NO.	STAGE NAME
7.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)

7.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
7.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
7.11.6	EQUIPMENT (EQUIP)
7.11.7	MAINTENANCE MANAGEMENT (MMGT)
7.11.8	OPERATIONAL MANAGEMENT (OMGT)

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

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

7.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 7.0 1095 B, R, M E L

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

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
7. Printers.
7. Operational Procedures.

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

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-3281 7.0 1095 B, R, M E L

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

Requirement. Without the aid of references, explain:

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

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

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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

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

7.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 7.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-007.

Requirement. Without the aid of references, explain:

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

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

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

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

7.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 7.0 1095 B, R, M E L

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

Requirement. Without the aid of reference, explain:

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

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

Instructor. BI, SI

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

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.11.6 EQUIPMENT (EQUIP) STAGE

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

7.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3461 4.0 * B, R L

Goal. Perform System Administration.

Requirement. Given a scenario, ensure the following:

1. Manage disaster recovery plan.
2. Manage logfiles.
3. Manage user accounts.
4. Apply software release updates.
5. Monitor disk space.
6. Manage system passwords.

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

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3462 4.0 * B L

Goal. Set-up the PDS.

Requirement. Given a PDS and a core capable crew, perform the following:

1. Emplace the PDS.
2. Safely ground equipment.
3. Test the grounds.
5. Ensure power is connected to the shelter.
6. Apply power.
 - a. Verify inputs and phases.
 - b. Power up PDS and all ancillary equipment in proper sequence.
7. Configure components.

8. Perform system check.

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

Prerequisite. None.

Ordinance. None.

Range. None.

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

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3463 4.0 * B L

Goal. Set up the PDS in the TAOC.

Requirement. Given a PDS and a core capable crew, conduct the following:

1. Setup the PDS.
2. Setup the TDS equipment within OPFAC.
3. Verify configuration of TDS equipment.
4. Perform operational check of TDS equipment.

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

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
2. TM 12041A/12050-OD/2 System Users Manual (SUM)
3. TM 12041A/15050A-OD/2 CAC2S System User Manual

EQUIP-3464 6.0 1095 B,R,M L

Goal. Integrate the PDS into the communications architecture.

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

1. Integrate PDS into unit comm architecture.
 - a. Make liaison with unit sections involved.
 - b. Ensure equipment configurations between PDS meets mission requirement.
 - c. Validate the transmission of data between systems.
 - d. Troubleshoot anomalies.
2. Integrate PDS into the MACCS comm architecture.
 - a. Make liaison with MACCS agency involved.
 - b. Ensure equipment configurations between PDS meets mission requirement.
 - c. Validate the transmission of data between systems.
 - d. Troubleshoot anomalies.

Performance Standard. Given a core competent crew, validate the PDS is integrated into the communications architecture without error. Minor errors corrected by the trainee are acceptable.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Applicable external MACCS agencies.

Reference.

1. Site diagrams
2. TM 12041A/12050-OD/1 System Administrator Maintenance Manual (SAMM)
3. TM 12041A/12050-OD/2 System Users Manual (SUM)
4. TM 12041A/15050A-OD/2 CAC2S System User Manual

7.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

7.11.7.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660 2.0 * B L

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

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.
6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-3661 2.0 1095 B, M L

Goal. Validate SECREP assets.

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

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

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

7.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B, M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

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

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 * B L

Goal. Organize and assign crews for deployment.

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

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
 - Tactical licenses.
 - Active clearance.
 - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3713 8.0 1095 B, M MTAOM or CAC2S L

Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

OMGT-3715 8.0 * B L

Goal. Prepare system for embark.

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

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

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

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_ (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

7.12 CORE PLUS TRAINING (4000)

7.12.1 Purpose. To provide Core Skill Plus training. A certain number of Core Skill Plus qualified Marines must be maintained to accomplish special

missions or tasks, to include supervision and training of a core competent crew. The Marine is exposed to advanced MACCS integration and employment of the TAOC or EW/C within a joint environment.

7.12.2 General.

7.12.2.1 Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

7.12.2.2 Admin Notes. The following information is provided to guide the Marine in the training of this Phase:

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

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

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

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

PAR NO.	STAGE NAME
7.12.3	DATA LINK COORDINATOR
7.12.4	MAINTENANCE MANAGEMENT (MMGT)
7.12.5	OPERATIONAL MANAGEMENT (OMGT)
7.12.6	MARINE AIR CONTROL GROUP (MACG)

7.12.3 DATA LINK COORDINATOR (DLC) STAGE

7.12.3.1 Purpose. Provides the trainee instruction to operate, configure, and troubleshoot doctrinal datalinks and protocols.

7.12.3.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

DLC-4320 1.0 * B _____ L

Goal. State the purpose of Interface Coordination.

Requirement. Given the reference:

1. State who controls the establishment of the Multi-TDL interface.
2. Define the following:
 - a. Data registration.
 - b. Sensor registration.
 - c. Correlation.
 - d. Common track.
 - e. Dual designation.
3. List the steps of the data registration test.
4. State which unit will normally be assigned as the data registration reference unit in a Multi-TDL environment.
5. List the five correlation restrictions for reported tracks.
6. List the eight operational contingency constraints (OCCs) for a track.
7. List the six steps for voice resolution of a dual designation.
8. IAW the JMTOPI, what is the single most important element of information of the TDL interface.
9. Outline the ID difference resolution procedures.
10. Define a Change Data Order (CDO).
11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01_, Joint Multi-TDL Operating Procedures (JMTOPI) Manual
2. MIL STD 6016_

DLC-4321 1.0 * B _____ L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
 - a. Link 11 Transmit filter.
 - b. Link 11B Transmit filter.
 - c. Link 16 Transmit filter.
 - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
 - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
 - f. Transmit filter for all data links in a multi-link interface.
 - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
 - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
 - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
 - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
 - a. Geographic filters.
 - b. Fixed or slaved filters.
 - c. Identification filters.
 - d. Environment filters.
 - e. Reference point filters.
 - f. EW filters.
 - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual

DLC-4322 1.0 * B L

Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
 - a. Net Control Station (NCS).
 - b. Picket.
3. Define the following Link 11 net modes of operation:
 - a. Roll Call.
 - b. Broadcast (Long).
 - c. Short Broadcast.
 - d. Net Sync.
 - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
 - a. Conventional Link 11 Waveform (CLEW).
 - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
 - a. A1.
 - b. A2.
 - c. B.
 - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4323 1.0 * B L

Goal. State the characteristics of and terms associated with Link 11B.

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
 - a. Limited Transmission of Data (LTD) mode.
 - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-4324 1.0 * B L

Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
 - a. Active Synchronization.
 - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
 - c. Conditional Radio Silence Mode.
 - d. Contention Access Mode.
 - e. Dedicated Access Mode.
 - f. Donor.
 - g. Dynamic Network Management.
 - h. Extension Word.
 - i. Geodetic Position Quality.
 - j. Header Message.
 - k. Host System.
 - l. Initial Entry.
 - m. Initial Entry JTIDS/MIDS Unit (IEJU).

1. Define Joint Range Extension Application Protocol (JREAP).
2. List the capabilities of JREAP.
3. Define the following terms associated with JREAP:
 - a. Common Time Reference.
 - b. Demand Access Multiple Access (DAMA).
 - c. Joint Range Extension (JRE).
 - d. JRE Network Controller.
 - e. JRE Source Track Number.
 - f. Link 16 Zone.
 - g. Multicast.
 - h. Packet.
 - i. Port.
 - j. Secondary Track Number.
 - k. Token Passing.
 - l. Transmission Sequence List.
 - m. Unicast.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-4326 2.0 730 B, R, M L

Goal. Operate Link 11.

Requirement. Given the references, operational documents, and a C2 system:

1. Extract required information from the OPTASKLINK.
2. Input the required database entries.
3. Enter and activate filters.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
 - a. Radio Silent.
 - b. Net Control Station (NCS).

c. Picket.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-4327 2.0 730 B, R, M L

Goal. Operate Link 11B.

Requirement. Given the references, operational documents, and a C2 system:

1. extract required information from the OPTASK LINK.
2. Input database entries per the OPTASK LINK.
3. Enter and activate data filters per the OPTASK LINK.
4. Ensure equipment is correctly configured.
5. Ensure cryptographic equipment is keyed.
6. Perform proper net entry procedures.
7. Perform net exit procedures.
8. Operate in the following modes:
 - a. Limited Transmission of Data (LTD).
 - b. Full Transmission of Data (FTD).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-4328 2.0 730 B, R, M L

Goal. Operate Link 16.

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control.
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly.
7. Validate the equipment is keyedLoad the appropriate time and IDL.
8. Load the initialization data load (IDL).
9. Perform link entry procedures Perform net exit procedures.
10. Achieve fine synchronization with another interface unit.
11. Operate in/as the following:
 - a. Radio Silent or data silent.
 - b. Network Time Reference (NTR).
 - c. Initial Entry JTIDS Unit (IEJU).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-4329 2.0 730 B, R, M L

Goal. Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement. Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
 - a. Clients.
 - b. Roles.
 - c. Client Applications Settings.
 - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
 - a. Operator Action.
 - b. eDERG.
 - c. ATO.
 - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual

DLC-4330 2.0 730 B, R, M L

Goal. Operate JREAP A.

Requirement. Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.
4. Validate JREAP A equipment is connected.

5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information.
10. Demonstrate the ability to operate in the following modes:
 - a. Network Participant.
 - b. Network Controller.
 - c. Network Listener.

Performance Standard. Successfully exchange tracks.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4331 2.0 730 B, R, M L

Goal. Operate JREAP B.

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Configure the serial line encryption device for JREAP B operations.
2. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
3. Build the JREAP B link in the JRE-GW.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP B.

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4332 2.0 730 B, R, M L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
 - a. TCP.
 - b. UDP.
 - c. MTC.
 - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPT) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-4333 3.0 * B L

Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.
7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-4335 3.0 * B L

Goal. Troubleshoot Link 16.

Requirement. Given a C2 system with Link 16:

1. Determine if the internal data path being used for Link 16 is functional.
2. Recognize and take appropriate action for incorrect time.
3. Recognize and take appropriate action for incorrect crypto.
4. Recognize and take appropriate action for incorrect IDL.
5. Select and monitor Link 16 messages.
6. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. System Technical Manual

DLC-4336 3.0 * B L

Goal. Troubleshoot JREAP A.

Requirement. Given a C2 system with a malfunctioning JREAP A:

1. Use the SATCOM radio's receive signal strength orderwire (RSSOW) to troubleshoot antenna elevation and azimuth.
2. Troubleshoot the SATCOM radio's satellite connection status.
3. Determine if the TAOC's Interface Unit address is in the Network Controller's subscriber list.
4. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. System Technical Manual

DLC-4337 3.0 * B L

Goal. Troubleshoot JREAP B.

Requirement. Given a C2 system with a malfunctioning JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

DLC-4338 3.0 * B L

Goal. Troubleshoot JREAP C.

Requirement. Given a C2 system with a malfunctioning JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

7.12.4 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

7.12.4.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

MMGT-4600 3.0 * B L

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

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the process to dispose of equipment according to the disposition instructions. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-4604 2.0 * B L

Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

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

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-4605 2.0 * B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

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

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411,

2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003,
8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-4608 16.0 * B, R L

Goal. Inspect maintenance functional areas.

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

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-4609 2.0 * B L

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

Requirement. Given a scenario and applicable references:

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

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1_
2. Unit TO&E

MMGT-4610 2.0 * B L

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

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

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

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

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17_

MMGT-4611 40.0 * B L

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

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

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

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. CMR
3. MMO SOP

MMGT-4613 13.0 * B L

Goal. Identify the functions of maintenance management.

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

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

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCO P4790.1_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1_
10. Unit TO&E
11. MCO P4400.150_
12. CMR
13. MMO SOP
14. MCO 4400.151_

MMGT-4662 2.0 * B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance

shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.12.5 OPERATIONAL MANAGEMENT (OMGT) STAGE

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

7.12.5.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None

Crew Requirements. None

OMGT-4714 8.0 * B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.

4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

7.12.6 MARINE AIR CONTROL GROUP (MACG) STAGE

7.12.6.1 Purpose. To teach the trainee common communication and data flow within the MACG.

7.12.6.2 General

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Admin Notes. None.

Crew Requirements. None

MACG-4750 1.0 * B _____ L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4751 1.0 * B L

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

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4752 1.0 * B L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4753 1.0 * B _____ L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4754 1.0 * B L

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4755 1.0 * B L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-4756 2.0 * B, R L

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

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

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

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

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

7.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

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

7.13.2 General.

7.13.2.1 Prerequisiste. None

7.13.2.2 Admin Notes.

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

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

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

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

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

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

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

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

7.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

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

7.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI
5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI

5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

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

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

7.14.2 General.

7.14.2.1 Prerequisiste. None

7.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

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

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

PAR NO.	STAGE NAME
7.14.3	QUALIFICATION (QUAL)
7.14.4	CERTIFICATIONS (CERT)
7.14.5	DESIGNATION (DESG)
7.14.6	SCHOOL CODES (SCHL)

7.14.3 QUALIFICATIONS (QUAL) STAGE

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

7.14.3.2 General

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

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

Crew Requirements. None

QUAL-6104 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Administrator Basic Technician (TDSABT).

Requirement. Complete required Tactical Data Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6105 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT).

Requirement. Complete required Tactical Data Systems Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

7.14.4 CERTIFICATIONS (CERT) STAGE

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

7.14.4.2 General

Prerequisite. None

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

Crew Requirements. NONE.

CERT-6200 7.0 * B L

Goal. Certification as a COMPTIA A+ Technician.

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

Performance Standard. N/A

Instructor. SI, WTI

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

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6201 7.0 * B L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-007. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

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

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6202 7.0 * B L

Goal. Certification as a COMPTIA Security+ Technician.

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

Performance Standard. N/A

Instructor. SI, WTI

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

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

7.14.5 DESIGNATIONS (DESG) STAGE

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

7.14.5.2 General

Prerequisite. None

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

Crew Requirements. None

DESG-6307 1.0 *

L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 *

L

Goal. Designation as a Basic Instructor (BI).

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

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6321 1.0 *

L

Goal. Designation as a Senior Instructor (SI).

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

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference. NAVMC 3500.14_

DESG-6340 1.0 * L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.
1. Unit SOP

DESG-6341 1.0 * L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 *

L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6343 1.0 *

L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6344 1.0 * L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6345 1.0 * L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6346 1.0 * _____ L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 * _____ L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6348 1.0 * _____ L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6351 1.0 * L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

7.14.6 SCHOOL CODES (SCHL) STAGE

7.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5974 in the skill progression of the Marine.

7.14.6.2 General

Prerequisite. NONE.

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

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6013	System Administrator	Hurlburt Field, FL	F19L2U2
SCHL-6014	Network Administrator	Hurlburt Field, FL	F19L9W2
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6073	Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351
SCHL 6079	JRE-GW Operators' Course	Titan L3	N/A

7.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

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

7.15.2 General

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

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

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

PAR NO.	STAGE NAME
7.15.3	CONDITION (COND)

7.15.3 CONDITION (COND) STAGE

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

7.15.3.2 General

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

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

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

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

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

Goal. Employ a TAOC.

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

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

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

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

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

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

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

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

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

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

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

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

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

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

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-27.7, TAOC Handbook
3. Squadron SOP

7.16 AVIATION CAREER PROGRESSION MODEL (8000).

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

Marine Air Command and Control System (MACCS)

Aviation Ground Support
Joint Air Operations
ACE Battle Staff
MAGTF
Seabased Operations
Combatant Commander Organizations

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

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

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

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

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

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

STAGE	TRNG CODE	T&R DESCRIPTION	ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	MACCS	1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM	4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)	4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)	4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)	4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)	4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)	4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)	4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)	4	2000 PHASE
ACPM	8020	ACE	1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS	4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES	4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)	4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT	4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE	4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE	4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE	4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT	4	2000 PHASE
ACPM	8040	THREAT	1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8043	ROTARY WING THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF	4	3000 PHASE
ACPM	8060	MAGTF	1	4000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS	4	4000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE	4	4000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL	4	4000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS	4	4000 PHASE
ACPM	8065	PHASING CONTROL ASHORE	4	4000 PHASE
ACPM	8066	INFORMATION MANAGEMENT	4	4000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTRF	4	4000 PHASE
ACPM	8080	JOINT AIR OPERATIONS	1	4000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS	4	4000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)	4	4000 PHASE
ACPM	8083	JOINT FIRE SUPPORT	4	4000 PHASE

ACPM	8084	CLOSE AIR SUPPORT		4	4000 PHASE
ACPM	8085	JOINT TARGETING		4	4000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	4000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	4000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	4000 PHASE
TOTAL ACPM STAGE				40	145

7.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
CORE SKILL (2000 Phase)											
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-
Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152					-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173	-
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154	CMN	2154			-	-
Eplace shelter.	CMN	2156	*	CMN	2156					2155	-
Cable shelter for power.	CMN	2157	*	CMN	2157					2156	-
Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151	-
Initiate a service request.	CMN	2159	*	CMN	2159	CMN	2159	CMN	2159	-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173	TMDE	2173	TMDE	2173	-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175	TMDE	2175	TMDE	2175	-	-
Utilize LAN analyzer.	TMDE	2180	*	TMDE	2180	TMDE	2180	TMDE	2180	-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
Describe MTAOM equipment.	FAM	2214	*	FAM	2214					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Familiarization with LRR equipment.	FAM	2219	*	FAM	2219					-	-
Familiarization with MRR equipment.	FAM	2220	*	FAM	2220					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*	FAM	2221					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
Identify the major components of the Composite Tracking Network (CTN).	FAM	2223	*	FAM	2223					-	-

TAOC MAINTENANCE MOS 5974

CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX

T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
	T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE			CODE
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230	CD	2230			-	-	
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-	
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-	
Manage the Tool Control Program.	CD	2233	*	CD	2233					2230	-	
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-	
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-	
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-	
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-	
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-	
Perform Quality Control Procedures.	CD	2241	1460	CD	2241	CD	2241	CD	2241	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105		-
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-	
Explain PC hardware.	IAWFAT	2250	*	IAWFAT	2250					-	-	
Explain networking concepts.	IAWFAT	2251	*	IAWFAT	2251					-	-	
Explain laptop features and characteristics.	IAWFAT	2252	*	IAWFAT	2252					-	-	
Explain printer features and characteristics.	IAWFAT	2253	*	IAWFAT	2253					-	-	
Explain operational procedures.	IAWFAT	2254	*	IAWFAT	2254					-	-	
Explain operating systems.	IAWFAT	2255	*	IAWFAT	2255					-	-	

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION		BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING	
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain security.	IAWFAT	2256	*	IAWFAT	2256					-	-
Explain Mobile Devices.	IAWFAT	2257	*	IAWFAT	2257					-	-
Explain Troubleshooting.	IAWFAT	2258	*	IAWFAT	2258					-	-
Explain Networking Concepts.	IAWFNT	2259	*	IAWFNT	2259					-	-
Explain Network Installation and Configuration.	IAWFNT	2260	*	IAWFNT	2260					-	-
Explain Network Media and Topologies.	IAWFNT	2261	*	IAWFNT	2261					-	-
Explain Network Management.	IAWFNT	2262	*	IAWFNT	2262					-	-
Explain Network Security.	IAWFNT	2263	*	IAWFNT	2263					-	-
Explain Network Security.	IAWFST	2264	*	IAWFST	2264					-	-
Explain Operational Security.	IAWFST	2265	*	IAWFST	2265					-	-
Explain threats and vulnerabilities.	IAWFST	2266	*	IAWFST	2266					-	-
Explain cryptography.	IAWFST	2267	*	IAWFST	2267					-	-
Explain access control and identity management.	IAWFST	2268	*	IAWFST	2268					-	-
Explain application, data and host security.	IAWFST	2269	*	IAWFST	2269					-	-
Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2380	*	EQUIP	2380					-	-
Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2381	*	EQUIP	2381					-	-
Troubleshoot tactical data systems.	EQUIP	2407	*	EQUIP	2407					-	-
Perform PMCS on ADPE.	EQUIP	2408	*	EQUIP	2408					-	-
Initiate corrective maintenance on TDS ADPE.	EQUIP	2409	*	EQUIP	2409					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	EQUIP	2410	*	EQUIP	2410					-	-
Setup PDS network equipment.	EQUIP	2411	*	EQUIP	2411					-	-
Configure workstation.	EQUIP	2412	730	EQUIP	2412	EQUIP	2412	EQUIP	2412	-	-
Configure printer.	EQUIP	2413	730	EQUIP	2413	EQUIP	2413	EQUIP	2413	-	-
Configure PDS network equipment.	EQUIP	2414	730	EQUIP	2414	EQUIP	2414	EQUIP	2414	-	-
Install ADPE operating system software.	EQUIP	2415	*	EQUIP	2415					-	-
Configure ADPE C2 application software.	EQUIP	2416	730	EQUIP	2416	EQUIP	2416	EQUIP	2416	-	-
Perform network management.	EQUIP	2417	*	EQUIP	2417	EQUIP	2417			-	-
Perform disaster recovery management.	EQUIP	2418	*	EQUIP	2418	EQUIP	2418			-	-
Perform logfile management.	EQUIP	2419	*	EQUIP	2419	EQUIP	2419			-	-
Perform network data storage management.	EQUIP	2420	*	EQUIP	2420	EQUIP	2420			-	-
Perform account management.	EQUIP	2421	*	EQUIP	2421	EQUIP	2421			-	-
Apply Software release updates.	EQUIP	2422	*	EQUIP	2422	EQUIP	2422			-	-
Manage disk space.	EQUIP	2423	*	EQUIP	2423	EQUIP	2423			-	-
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151	-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602	MMGT	2602			2159	-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603					-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238	-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612					2150, 2159	-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614					2159	-
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680					-	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681	-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682	-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683					-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684					2691	-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685					2687	-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686	-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687					-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688	-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689					-	-
Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690					-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691					-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692					-	-
Identify communication service request procedures.	OMGT	2693	*	OMGT	2693					-	-
Draw a site diagram for the TAOC.	OMGT	2694	*	OMGT	2694	OMGT	2694			-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IWFAT	3280	1095	IWFAT	3280	IWFAT	3280	IWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IWFAT	3281	1095	IWFAT	3281	IWFAT	3281	IWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IWFNT	3282	1095	IWFNT	3282	IWFNT	3282	IWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IWFST	3283	1095	IWFST	3283	IWFST	3283	IWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Perform System Administration.	EQUIP	3461	*	EQUIP	3461	EQUIP	3461			-	-
Set-up the PDS.	EQUIP	3462	*	EQUIP	3462					-	-
Set up the PDS in the TAOC.	EQUIP	3463	*	EQUIP	3463					-	-
Integrate the PDS into the communications architecture.	EQUIP	3464	*	EQUIP	3464	EQUIP	3464	EQUIP	3464	-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-
Deploy a communications system ISO operations.	OMGT	3713	1095	OMGT	3713	OMGT	3713	OMGT	3713	-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
MISSION SKILL (3000 Phase)											
T&R EVENT INFORMATION	BASIC POI			REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING		
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the Purpose of Interface Coordination	DLC	4320	*	DLC	4320					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Know the types and purpose of data filters	DLC	4321	*	DLC	4321					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of and terms associated with Link 11	DLC	4322	*	DLC	4322					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
State the characteristics of and terms associated with Link 11B	DLC	4323	*	DLC	4323					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of Link 16	DLC	4324	*	DLC	4324					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the characteristics of Joint Range Extension Application Protocol (JREAP)	DLC	4325	*	DLC	4325					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate Link 11	DLC	4326	730	DLC	4326	DLC	4326	DLC	4326	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate Link 11B	DLC	4327	730	DLC	4327	DLC	4327	DLC	4327	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate Link 16	DLC	4328	730	DLC	4328	DLC	4328	DLC	4328	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Configure the Joint Range Extension-Gateway (JRE-GW)	DLC	4329	730	DLC	4329	DLC	4329	DLC	4329	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP A	DLC	4330	730	DLC	4330	DLC	4330	DLC	4330	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Operate JREAP B	DLC	4331	730	DLC	4331	DLC	4331	DLC	4331	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Operate JREAP C	DLC	4332	730	DLC	4332	DLC	4332	DLC	4332	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot Link 11	DLC	4333	*	DLC	4333					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot Link 16	DLC	4335	*	DLC	4335					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Troubleshoot JREAP A	DLC	4336	*	DLC	4336					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP B	DLC	4337	*	DLC	4337					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Troubleshoot JREAP C	DLC	4338	*	DLC	4338					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Ensure preparatory measures are taken for disposition of equipment	MMGT	4600	*	MMGT	4600					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Define RA with regards to O&M funds	MMGT	4604	*	MMGT	4604					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Define PE with regards to O&M funds	MMGT	4605	*	MMGT	4605					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974												
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX												
T&R EVENT INFORMATION					BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION		STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Inspect maintenance functional areas		MMGT	4608	*	MMGT	4608	MMGT	4608			2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)		MMGT	4609	*	MMGT	4609					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify the Marine Corps Urgent Needs Process (MCUNP)		MMGT	4610	*	MMGT	4610					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct a Consolidated Memorandum Receipt (CMR) Review	MMGT	4611	*	MMGT	4611					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify the functions of maintenance management	MMGT	4613	*	MMGT	4613					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Assess maintenance funding requirements	MMGT	4662	*	MMGT	4662					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Deploy a maintenance capability	OMGT	4714	*	OMGT	4714					2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify TACC Communications information exchange requirements.	MACG	4750	1095	MACG	4750	MACG	4750	MACG	4750	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify TAOC and EW/C communications information exchange requirements.	MACG	4751	1095	MACG	4751	MACG	4751	MACG	4751	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify DASC communications information exchange requirements.	MACG	4752	1095	MACG	4752	MACG	4752	MACG	4752	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify UAS Communications information exchange requirements.	MACG	4753	1095	MACG	4753	MACG	4753	MACG	4753	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Identify LAAD Communications information exchange requirements.	MACG	4754	1095	MACG	4754	MACG	4754	MACG	4754	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

TAOC MAINTENANCE MOS 5974											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Identify MATC communications information exchange requirements.	MACG	4755	1095	MACG	4755	MACG	4755	MACG	4755	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-
Draw a Communications Diagram for the agencies within the MACG.	MACG	4756	1095	MACG	4756	MACG	4756	MACG	4756	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-

7.18 T&R SYLLABUS MATRIX

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
					TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	CODE	TITLE																	
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS)																			
AIRS	1070	Configure the PDS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1071	Maintain data circuits with the PDS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1072	Manage Windows based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1074	Manage UNIX based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1075	Manage Networked Operating Systems (NOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1076	Configure the Communication Data-link System (CDLS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1077	Configure virtualized server computing environment.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1078	Configure TBMCs remotes.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1079	Configure Network Security.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1080	Configure Intelligence Operations Server (IOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1081	Configure the Joint Range Extension (JRE).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1082	Establish Tactical Data Systems (TDS) Networks.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1083	Configure Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1084	Configure the Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1085	Establish all Joint Range Extension Application Protocol (JREAP) types with an ADSI.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1086	Establish all Joint Range Extension Application Protocol (JREAP) types with a JRE.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1087	Establish Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1088	Establish Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1089	Establish Link-11.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1090	Establish Link-11B.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1091	Describe Windows based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1092	Describe UNIX based systems.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1093	Describe Tactical Data Systems (TDS) Networks.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-
AIRS	1094	Describe Networked Operating Systems	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME					
		(NOS).																		
AIRS	1095	Describe Network Security concepts.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1096	Describe Link-11.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1097	Describe Link-11B.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1098	Describe Link-16.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1099	Describe Joint Range Extension Application Protocol (JREAP).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1100	Describe Link Management System Multi Tactical Data Link (LMS-MT).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1101	Describe Intelligence Operations Server (IOS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1102	Describe TBMCS.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1103	Describe a virtualized server computing environment.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1104	Identify Tactical Data Systems Technician duties at MACCS agencies.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1105	Describe the Combat Operations Center (COC).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1106	Describe Advanced Field Artillery Tactical Data System (AFATDS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
AIRS	1120	Describe functions of the Marine Air Command and Control System (MACCS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	-	-
TOTAL AIR SCHOOLS (AIRS) SKILL STAGE										37	0	0	0	0	0.0					
TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)										37	0	0	0	0	0.0					
MACCS MAINTENANCE COMMON (CMN)																				
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*		0		0		1.5	-	-	-	-	-
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*		0		0		3.0	2173	-	-	-	-
CMN	2154	Describe the characteristics of unit T/E generators.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
CMN	2156	Emplace shelter.	B	-	L	-	-	-	*		0		0		2.0	2155	-	-	-	-
CMN	2157	Cable shelter for power.	B	-	L	-	-	-	*		0		0		2.0	2156	-	-	-	-
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*		0		0		1.0	2150, 2151	-	-	-	-
CMN	2159	Initiate a service request.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-
TOTAL MACCS MAINTENANCE COMMON (CMN) STAGE										0	0	0	0	9	16.5					
TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)																				
TMDE	2173	Utilize a Ground Tester.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-	-
TMDE	2175	Utilize a multimeter.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-
TMDE	2180	Utilize LAN analyzer.	B, R	-	L	-	-	-	*		0		0		1.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE									0	0	0	0	3	4.0					
COMMUNICATION SECURITY (COMSEC)																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
COMSEC	2191	State the physical security requirements for classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
COMSEC	2192	Create a classified area physical security diagram.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191	-	-	-	
COMSEC	2193	Conduct classified material inventory.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	1.0	2190	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191, 2192	-	-	-	
TOTAL COMMUNICATION SECURITY (COMSEC) STAGE									0	0	0	0	10	19.0					
FAMILIARIZATION (FAM)																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2214	Describe MTAOM equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2223	Identify the major components of the Composite Tracking Network (CTN).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
TOTAL FAMILIARIZATION (FAM) STAGE									0	0	0	0	8	9.0					
COLLATERAL DUTY (CD)																			
CD	2230	State the maintenance Collateral Duties (CD).	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	
CD	2232	Identify the Maintenance Modifications	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		Program.																	
CD	2233	Manage the Tool Control Program.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*		0		0		3.0	2230	-	-	-
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*		0		0		1.0	2230	-	-	-
CD	2241	Perform Quality Control Procedures.	B, R, M	-	L	-	-	-	1460						2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2215, 2217, 2219, 2220, 2221, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 3461, 3462, 3463, 3464, 3660, 3715, 6105	-	-	-
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*		0		0		2.0	2230	-	-	-
TOTAL COLLATERAL DUTY (CD) STAGE										0	0	0	0	11	27.0				
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE										0	0	0	0	9	36.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	5	20.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST)																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	6	24.0				
EQUIPMENT (EQUIP)																			
EQUIP	2380	Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2381	Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2407	Troubleshoot tactical data systems.	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
EQUIP	2408	Perform PMCS on ADPE.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2409	Initiate corrective maintenance on TDS ADPE.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2410	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2411	Setup PDS network equipment.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2412	Configure workstation.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2413	Configure printer.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	-
EQUIP	2414	Configure PDS network equipment.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2415	Install ADPE operating system software.	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2416	Configure ADPE C2 application software.	B, R, M	-	L	-	-	-	730	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2417	Perform network management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
EQUIP	2418	Perform disaster recovery management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2419	Perform logfile management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2420	Perform network data storage management.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2421	Perform account management.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
EQUIP	2422	Apply Software release updates.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
EQUIP	2423	Manage disk space.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0.0	0	0.0	19	69.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2601	Create a Preventive Maintenance Checks and Services (PMCS) schedule.	B	-	L	-	-	-	*	0	0	0	0	1.0	2151	-	-	-	-
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	2159	-	-	-	-
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2159, 2231, 2238	-	-	-	-
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*	0	0	0	0	2.0	2150	-	-	-	-
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*	0	0	0	0	1.5	2150, 2159	-	-	-	-
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*	0	0	0	0	1.0	2159	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	7	13.5				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2681	Determine required equipment to support a mission.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	-
OMGT	2682	Conduct communications portion of a site survey.	B, R, M	-	L	-	-	-	1460	0	0	0	0	4.0	-	-	-	-	-
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*	0	0	0	0	3.0	2691	-	-	-	-
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*	0	0	0	0	1.0	2687	-	-	-	-
OMGT	2686	Write a packing list.	B, R, M	-	L	-	-	-	1460	0	0	0	0	8.0	-	-	-	-	-
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
OMGT	2688	Identify power requirements.	B, R, M	-	L	-	-	-	365	0	0	0	0	4.0	-	-	-	-	-
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
OMGT	2693	Identify communication service request	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		procedures.																	
OMGT	2694	Draw a site diagram for the TAOC.	B, R	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	15	43.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0.0	0	0.0	102	281.0				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2250, 2251, 2252, 2253, 2254	-	-	-
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2255, 2256, 2257, 2258	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	1	4.0				
EQUIPMENT (EQUIP)																			
EQUIP	3461	Perform System Administration.	B, R	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3462	Set-up the PDS.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3463	Set up the PDS in the TAOC.	B	-	L	-	-	-	*		0		0		4.0	-	-	-	-
EQUIP	3464	Integrate the PDS into the communications architecture.	B,R,M	-	L	-	-	-	1095		0		0		6.0	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	4	18.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	2	4.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3713	Deploy a communications system ISO operations.	B,R,M	-	L	-	-	-	1095		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	4	19.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	14	57.0				
MISSION PLUS SKILL TRAINING (4000 PHASE EVENTS)																			

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DATA LINK COORDINATOR (DLC)																			
DLC	4320	State the Purpose of Interface Coordination	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4321	Know the types and purpose of data filters	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4322	State the characteristics of and terms associated with Link 11	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4323	State the characteristics of and terms associated with Link 11B	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4324	State the characteristics of Link 16	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4325	State the characteristics of Joint Range Extension Application Protocol (JREAP)	B	-	L	-	-	-	*		0		0		1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4326	Operate Link 11	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4327	Operate Link 11B	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
DLC	4328	Operate Link 16	B,R,M	-	L	-	-	-	730		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
															2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008				
DLC	4329	Configure the Joint Range Extension-Gateway (JRE-GW)	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4330	Operate JREAP A	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4331	Operate JREAP B	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4332	Operate JREAP C	B,R,M	-	L	-	-	-	730	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4333	Troubleshoot Link 11	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4335	Troubleshoot Link 16	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4336	Troubleshoot JREAP A	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DLC	4337	Troubleshoot JREAP B	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
DLC	4338	Troubleshoot JREAP C	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	19	35.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	4600	Ensure preparatory measures are taken for disposition of equipment	B	-	L	-	-	-	*	0	0	0	0	3.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MMGT	4604	Define RA with regards to O&M funds	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MMGT	4605	Define PE with regards to O&M funds	B	-	L	-	-	-	*	0	0	0	0	2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
MMGT	4608	Inspect maintenance functional areas	B,R	-	L	-	-	-	*		0		0		16.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR)	B	-	L	-	-	-	*		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4610	Identify the Marine Corps Urgent Needs Process (MCUNP)	B	-	L	-	-	-	*		0		0		2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4611	Conduct a Consolidated Memorandum Receipt (CMR) Review	B	-	L	-	-	-	*		0		0		40.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
MMGT	4613	Identify the functions of maintenance management	B	-	L	-	-	-	*	0	0	0	0	13.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MMGT	4662	Assess maintenance funding requirements	B	-	L	-	-	-	*	0	0	0	0	2.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	5	82.0				
OPERATIONS MANAGEMENT (OMGT)																			
OMGT	4714	Deploy a maintenance capability	B	-	L	-	-	-	*	0	0	0	0	8.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL OPERATIONS MANAGEMENT (OMGT) STAGE										0	0	0	0	1	8.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	4750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715,	-	-	-

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008			
MACG	4751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MACG	4752	Identify DASC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MACG	4753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
MACG	4754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
																8007, 8008			
MACG	4755	Identify MATC communications information exchange requirements.	B, M	-	L	-	-	-	1095	0	0	0	0	1.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
MACG	4756	Draw a Communications Diagram for the agencies within the MACG.	B, R, M	-	L	-	-	-	1095	0	0	0	0	2.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	5	8.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	30	133.0				
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0	0.0	146	471.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*	0	0	0	0	2.0		Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*	0	0	0	0	1.0		Recommended by SI or WTI	-	-	-
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*	0	0	0	0	2.0		Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365	0	0	0	0	2.0		5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6104	Qualification as an Tactical Data Systems Basic Technician (TDSABT).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
QUAL	6105	Qualification as an Tactical Data Systems Administrator Advanced Technician (TDSAAT).	B	-	L	-	-	-	*	0	0	0	0	0.5	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	2	1.0				
CERTIFICATION (CERT)																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-	
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-	
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	-	*	0	0	0	0	4	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-	
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0				

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESIGNATIONS (DESG)																			
DESG	6307	Designation as a Tactical Data Systems Crew Chief (TDSCC).	B	-	L	-	-	-	*	0	0	1.0	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2213, 2214, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3463, 3464, 3660, 3661, 3710, 3711, 3713, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-			
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	-	*	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2195, 2230, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 3462, 3715, 5000, 5010, 5020, 6104, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-			

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
DESG	6341	Designation as a Maintenance HAZMAT NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2234	-	-	-	
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2233	-	-	-	
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2231	-	-	-	
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2232, 2234	-	-	-	
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2237	-	-	-	
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2159, 2230, 2602	-	-	-	
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	

TAOC MOS 5974 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6351	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	-	*	0		0		1.0		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2173, 2175, 2180, 2190, 2191, 2193, 2194, 2195, 2210, 2212, 2213, 2214, 2217, 2219, 2220, 2221, 2222, 2223, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2241, 2243, 2380, 2381, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2606, 2614, 2687, 2688, 2690, 2693, 3461, 3462, 3463, 3464, 3660, 3715, 6105, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL DESIGNATION (DESG) STAGE										0	0	0	0	13	13.0				
SCHOOL CODES (SCHL)																			
SCHL	6013	Systems Administrator	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6014	Network Administrator	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6024	Multi TDL Planner Course (JT-201)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6073	Micro miniature Electronic Repair	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*	0		0		0.0	-	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										0	0	0	0	0	0.0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										0	0.0	0	0.0	18	26.0				

7.19 ADDITIONAL MATRICES. None

7.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

7.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

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

CHAPTER 8

AIR DEFENSE SYSTEMS TECHNICIAN (MOS 5979) / INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

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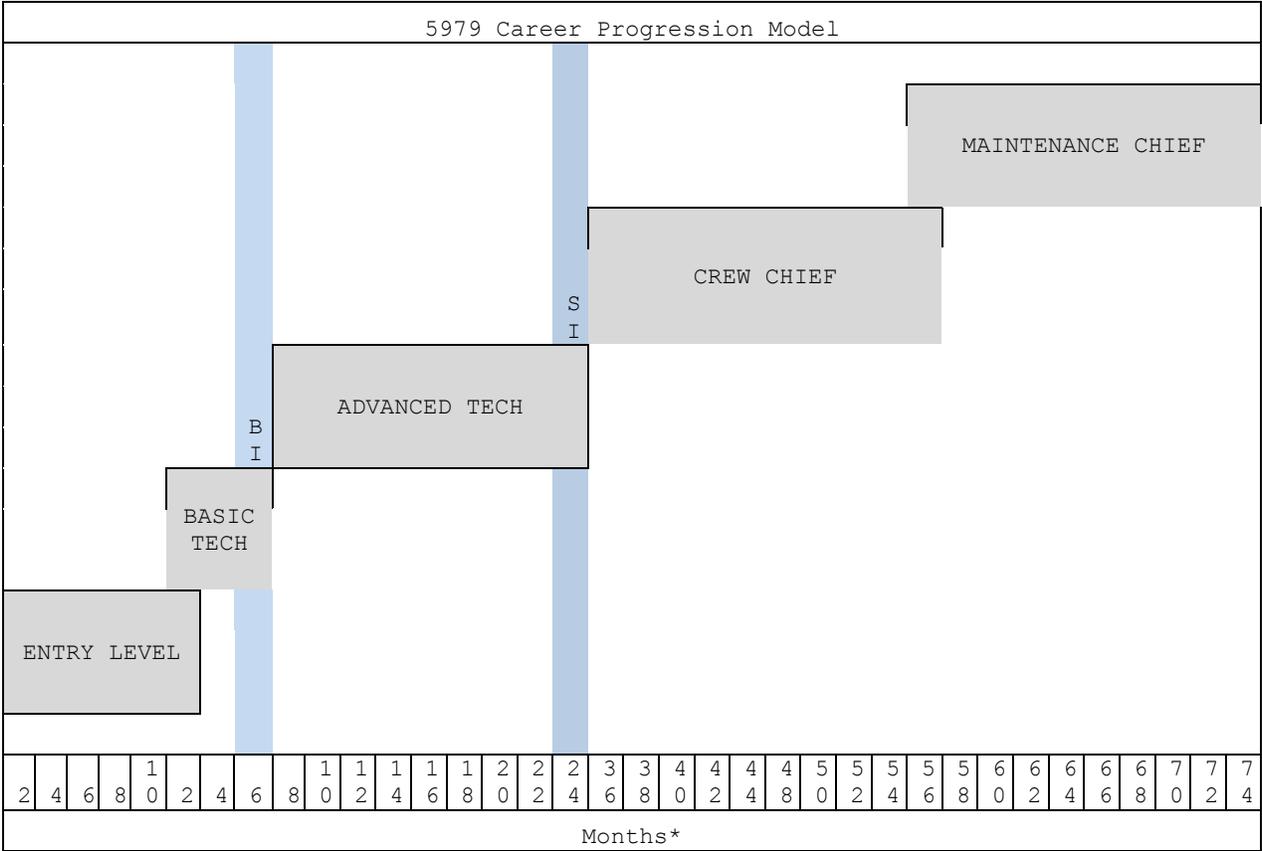
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CHAPTER 8

TACTICAL DATA SYSTEMS ADMINISTRATOR/5979
INDIVIDUAL TRAINING AND READINESS REQUIREMENTS

8.0 AIR DEFENSE SYSTEMS TECHNICIAN/5979 INDIVIDUAL TRAINING AND READINESS REQUIREMENTS. This T&R Syllabus is based on specific goals and performance standards designed to ensure individual proficiency in Core and Mission Skills. The goal of this chapter is to develop individual and unit warfighting capabilities.

8.1 5979 TRAINING PROGRESSION MODEL. This model represents the recommended average training progression for the Aviation Communications Systems Technician crewmember. Units should use the model as a point of departure to generate individual training plans.



* Months indicated are training months, not calendar months.

8.2 ABBREVIATIONS

TAOC MAINTENANCE MOS 5979	
CORE/MISSION/CORE PLUS SKILL ABBREVIATIONS	
CORE SKILL (2000 Phase)	
CD	COLLATERAL DUTY
CMN	MACCS MAINTENANCE COMMON
COMSEC	COMMUNICATION SECURITY
CONFIG	CONFIGURATION
DLC	DATA LINK COORDINATOR
EQUIP	EQUIPMENT
FAM	FAMILIARIZATION
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TMDE	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT
MISSION SKILL (3000 Phase)	
EQUIP	EQUIPMENT
EWC	EARLY WARNING AND CONTROL SITE
IAWFAT	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN
IWFNT	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN
IWFST	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN
MACG	MARINE AIR CONTROL GROUP
MMGT	MAINTENANCE MANAGEMENT
OMGT	OPERATIONAL MANAGEMENT
TAOC	TACTICAL AIR OPERATIONS CENTER
INSTRUCTOR (5000 Phase)	
BI	BASIC INSTRUCTOR
SI	SENIOR INSTRUCTOR
CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (6000 Phase)	
TDSBT	TACTICAL DATA SYSTEM BASIC TECHNICIAN
TDSAT	TACTICAL DATA SYSTEM ADVANCED TECHNICIAN
TDSCC	TACTICAL DATA SYSTEM CREW CHIEF
TDSMC	TACTICAL DATA SYSTEM MAINTENANCE CHIEF
CAT	COMPTIA A+ TECHNICIAN
CNT	COMPTIA NETWORK+ TECHNICIAN
CST	COMPTIA SAFETY+ TECHNICIAN
SAF CD	SAFETY COLLATERAL DUTY
HAZMAT CD	HAZARDOUS MATERIAL COLLATERAL DUTY
PUB CD	PUBLICATIONS COLLATERAL DUTY

TRNG CD	TRAINING COLLATERAL DUTY
TOOLS CD	TOOLS COLLATERAL DUTY
CAL CD	CALIBRATIONS COLLATERAL DUTY
MOD CD	MODIFICATIONS COLLATERAL DUTY
EMB CD	EMBARK COLLATERAL DUTY
MIMMS CD	MIMMS COLLATERAL DUTY
QC CD	QUALITY CONTROL COLLATERAL DUTY

8.3 DEFINITIONS

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

8.4 INDIVIDUAL CORE/MISSION/CORE PLUS SKILL PROFICIENCY REQUIREMENTS

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

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

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

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

Note

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

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

Note

See Chapter 2 for amplifying information on POI updating.

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
CORE SKILL (2000 Phase)					
CMN	2150				
CMN	2151				
CMN	2152				
CMN	2153				
CMN	2154R	CMN	2154R		
CMN	2155				
CMN	2156				
CMN	2157				
CMN	2158				
CMN	2159R	CMN	2159R		
TMDE	2171R	TMDE	2171R		
TMDE	2172R	TMDE	2172R		
TMDE	2173R	TMDE	2173R		
TMDE	2175R	TMDE	2175R		
TMDE	2177R	TMDE	2177R		
TMDE	2178R	TMDE	2178R		
COMSEC	2190R	COMSEC	2190R	COMSEC	2190R

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
COMSEC	2191R	COMSEC	2191R	COMSEC	2191R
COMSEC	2192R	COMSEC	2192R	COMSEC	2192R
COMSEC	2193R	COMSEC	2193R	COMSEC	2193R
COMSEC	2194R	COMSEC	2194R		
COMSEC	2195R	COMSEC	2195R	COMSEC	2195R
COMSEC	2196				
COMSEC	2197				
COMSEC	2198				
COMSEC	2199R	COMSEC	2199R	COMSEC	2199R
FAM	2210				
FAM	2211				
FAM	2212				
FAM	2216				
FAM	2217				
FAM	2218				
FAM	2219				
FAM	2220				
FAM	2221				
FAM	2222				
CD	2230R	CD	2230R		
CD	2231				
CD	2232				
CD	2233				
CD	2234				
CD	2235				
CD	2236				
CD	2237				
CD	2238				
CD	2242R	CD	2242R	CD	2242R
CD	2243				
IAWFAT	2250				
IAWFAT	2251				
IAWFAT	2252				
IAWFAT	2253				
IAWFAT	2254				
IAWFAT	2255				

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	2256				
IAWFAT	2257				
IAWFAT	2258				
IAWFNT	2259				
IAWFNT	2260				
IAWFNT	2261				
IAWFNT	2262				
IAWFNT	2263				
IAWFST	2264				
IAWFST	2265				
IAWFST	2266				
IAWFST	2267				
IAWFST	2268				
IAWFST	2269				
CONFIG	2300R	CONFIG	2300R		
CONFIG	2301				
CONFIG	2302R	CONFIG	2302R		
CONFIG	2303R	CONFIG	2303R		
CONFIG	2304R	CONFIG	2304R		
CONFIG	2305R	CONFIG	2305R		
CONFIG	2306R	CONFIG	2306R		
CONFIG	2307R	CONFIG	2307R		
CONFIG	2308R	CONFIG	2308R		
CONFIG	2309R	CONFIG	2309R		
DLC	2320				
DLC	2321				
DLC	2322				
DLC	2323				
DLC	2324				
DLC	2325				
DLC	2326R	DLC	2326R	DLC	2326R
DLC	2327R	DLC	2327R	DLC	2327R
DLC	2328R	DLC	2328R	DLC	2328R
DLC	2329R	DLC	2329R	DLC	2329R
DLC	2330R	DLC	2330R	DLC	2330R
DLC	2331R	DLC	2331R	DLC	2331R

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
DLC	2332R	DLC	2332R	DLC	2332R
DLC	2333				
DLC	2334				
DLC	2335				
DLC	2336				
DLC	2337				
DLC	2338				
EQUIP	2380				
EQUIP	2381				
EQUIP	2424				
EQUIP	2425				
EQUIP	2426R	EQUIP	2426R	EQUIP	2426R
EQUIP	2427R	EQUIP	2427R	EQUIP	2427R
MMGT	2600				
MMGT	2601				
MMGT	2602R	MMGT	2602R		
MMGT	2603				
MMGT	2604				
MMGT	2605				
MMGT	2606				
MMGT	2607				
MMGT	2608R	MMGT	2608R		
MMGT	2609				
MMGT	2610				
MMGT	2611				
MMGT	2612				
MMGT	2613				
MMGT	2614				
OMGT	2680				
OMGT	2681R	OMGT	2681R	OMGT	2681R
OMGT	2682R	OMGT	2682R	OMGT	2682R
OMGT	2683				
OMGT	2684				
OMGT	2685				
OMGT	2686R	OMGT	2686R	OMGT	2686R
OMGT	2687				

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
OMGT	2688R	OMGT	2688R	OMGT	2688R
OMGT	2689				
OMGT	2690				
OMGT	2691				
OMGT	2692				
OMGT	2693				
OMGT	2694R	OMGT	2694R		
MISSION (3000 Phase)					
STAGE	CODE	STAGE	CODE	STAGE	CODE
IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R	IAWFAT	IAWFAT-3280R
	IAWFAT-3281R		IAWFAT-3281R		IAWFAT-3281R
IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R	IAWFNT	IAWFNT-3282R
IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R	IAWFST	IAWFST-3283R
EQUIP	EQUIP-3465	EQUIP		EQUIP	
	EQUIP-3466				
	EQUIP-3467R		EQUIP-3467R		EQUIP-3467R
	EQUIP-3468				
	EQUIP-3469				
MMGT	MMGT-3660	MMGT		MMGT	
	MMGT-3661R		MMGT-3661R		MMGT-3661R
	MMGT-3662				
OMGT	OMGT-3710R	OMGT	OMGT-3710R	OMGT	OMGT-3710R
	OMGT-3711				
	OMGT-3712				
	OMGT-3713R		OMGT-3713R		OMGT-3713R
	OMGT-3714				
	OMGT-3715				
MACG	MACG-3750R	MACG	MACG-3750R	MACG	MACG-3750R
	MACG0-3751R		MACG0-3751R		MACG0-3751R
	MACG-3752R		MACG-3752R		MACG-3752R
	MACG-3753R		MACG-3753R		MACG-3753R
	MACG-3754R		MACG-3754R		MACG-3754R
	MACG-3755R		MACG-3755R		MACG-3755R
	MACG-3756R		MACG-3756R		MACG-3756R
"S" PREFIX AND BLUE FONT = SIMULATOR EVENT					

TAOC MAINTENANCE MOS 5979					
ATTAIN AND MAINTAIN CORE/MISSION/CORE PLUS PROFICIENCY MATRIX BY POI					
ATTAIN PROFICIENCY				MAINTAIN	
BASIC POI		REFRESHER POI		PROFICIENCY	
STAGE	CODE	STAGE	CODE	STAGE	CODE
"R" SUFFIX AND GREY HIGHLIGHT = R-CODED "REFRESHER" EVENT					

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

8.5.1 INSTRUCTOR DESIGNATIONS

TAOC MAINTENANCE MOS 5948 INSTRUCTOR DESIGNATIONS (5000 Phase)	
INSTRUCTOR DESIGNATION	EVENTS
BASIC INSTRUCTOR (BI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
SENIOR INSTRUCTOR (SI)	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

8.5.2 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS AND DESIGNATIONS

TAOC MAINTENANCE MOS 5979 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD) (6000 Phase)	
RCQD	EVENTS
Qualification as an Tactical Data Systems Basic Technician (TDSBT). QUAL-6106	2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008
Qualification as an Tactical Data Systems Advanced Technician (TDSAT). QUAL-6107	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Certification as a COMPTIA A+ Technician. CERT-6200	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Certification as a COMPTIA Network+ Technician. CERT-6201	2259, 2260, 2261, 2262, 2263, 3282
Certification as a COMPTIA Security+ Technician. CERT-6202	2264, 2265, 2266, 2267, 2268, 2269, 3283
Designation as a Tactical Data Systems Crew Chief (TDSCC). DESG-6308	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
Designation as a Tactical Data Systems Maintenance Chief (TDSMC). DESG-6309	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044
Designation as a Maintenance Safety NCO. DESG-6340	2230, 2235, 2236
Designation as a Maintenance HAZMAT NCO. DESG-6341	2230, 2235, 2236
Designation as a Maintenance Publications NCO. DESG-6342	2230, 2234
Designation as a Maintenance Tools NCO. DESG-6343	2230, 2233
Designation as a Maintenance Calibrations NCO. DESG-6344	2230, 2231
Designation as a Maintenance Modifications NCO. DESG-6345	2230, 2232, 2234
Designation as a Maintenance Embarkation NCO. DESG-6346	2230, 2237
Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO. DESG-6347	2159, 2230, 2602
Designation as a Maintenance Training NCO. DESG-6348	2230

Designation as a Maintenance Quality Control (QC) NCO. DESG-6352	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028
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8.6 5979 PROGRAMS OF INSTRUCTION (POI). These tables reflect average time-to-train versus the minimum to maximum time-to-train parameters in the Training Progression Model.

8.6.1 Basic POI

TAOC MAINTENANCE 5979		
BASIC POI		
WEEKS ¹	PHASE OF INSTRUCTION	UNIT RESPONSIBLE
0-40	CORE SKILL INTRODUCTION TRAINING	MCCES
30	CORE SKILL TRAINING	TACTICAL SQUADRON
48	MISSION SKILL TRAINING	TACTICAL SQUADRON
4	CORE PLUS	TACTICAL SQUADRON

8.6.2 Refresher POI

TAOC MAINTENANCE MOS 5979		
REFRESHER POI		
WEEKS 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.

8.7 SYLLABUS NOTES

8.7.1 Environmental Conditions Matrix

Environmental Conditions	
Code	Meaning
D	Shall be conducted during hours of daylight: (by exception - there is no use of a symbol)
N	Shall be conducted during hours of darkness, may be aided or unaided
N*	Shall be conducted during hours of darkness must be unaided
(N*)	May be conducted during hours of darkness - If conducted during hours of darkness must be unaided

(N)	May be conducted during darkness - If conducted during hours of darkness; may be aided or unaided
NS	Shall be conducted during hours of darkness - Mandatory use of Night Vision Devices
(NS)	May be conducted during darkness - If conducted during hours of darkness; must be with Night Vision Devices
Note - If the event is to be conducted in the simulator, the Instructor shall ensure the proper environmental conditions for the event.	

8.7.2 Device Matrix

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

8.7.3 Program of Instruction Matrix

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

8.7.4 Event Terms

EVENT TERMS	
TERM	DESCRIPTION
Discuss	An explanation of systems, procedures, or tactics during the brief, exercise, or debrief. Student is responsible for knowledge of procedures.
Demonstrate	The description and performance of a particular event by the instructor, observed by the student. The student is responsible for knowledge of the procedures prior to the demonstration of a required event.
Introduce	The instructor may demonstrate a procedure or event to a student, or may coach the student through the maneuver without demonstration. The student performs the procedures or maneuver with coaching as necessary. The student is responsible for

EVENT TERMS	
TERM	DESCRIPTION
	knowledge of the procedures.
Practice	The performance of a maneuver or procedure by the student that may have been previously introduced in order to attain a specified level of performance.
Review	Demonstrated proficiency of an event by the student.
Evaluate	Any event designed to evaluate team/crew standardization that does not fit another category.
E-Coded	This term means an event evaluation form is required each time the event is logged. Requires evaluation by a certified standardization instructor (NATOPS I, WTI, INST Evaluator etc.)

8.8 ACADEMIC PHASE (0000)

8.8.1 Purpose. **RESERVED FOR FUTURE USE**

8.8.2 General

8.8.2.1 Admin Notes.

8.8.2.2 Prerequisites.

8.8.2.3 Stages.

8.9 CORE SKILL INTRODUCTION PHASE (1000)

8.9.1 Purpose. To provide entry level instruction to develop the basic skills necessary to become a MOS 5979 AIR DEFENSE SYSTEMS TECHNICIAN. This training is completed upon graduation from the AIR DEFENSE SYSTEMS TECHNICIAN Course.

8.9.2 General.

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

8.9.2.2 Admin Notes. None

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

PAR NO.	STAGE NAME
8.9.3	AIR SCHOOLS (AIRS)

8.9.3 AIR SCHOOLS (AIRS) STAGE

8.9.3.1 Purpose. To provide entry-level instruction to develop the basic skills necessary to configure and setup communications equipment, conduct maintenance on assigned equipment. This training phase is complete upon graduation and assigned primary MOS.

8.9.3.2 General

3. Configure CTN software.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11406A-CD/2 Command System Tactical, AN/MSQ-143
2. TM 11406A-CD/3 CETPS AN/USG-4A, Operational and Maintenance Instructions, IETM
3. TM 11406A-OI AN/USG-4A IA SAM for USMC CTN Laptops
4. TM 11406A-OR/1 Operational and Organizational Maintenance Manual for the Command System Tactical 26 Meter Telescopic Mast
5. TM 11406A-OR/2 Operational and Organizational Maintenance Manual for the Command System Tactical, AN/MSQ-143
6. TM 11406A-QRG Quick Reference Guide, AN/MSQ-143

AIRS-1112 * B E G

Goal. Perform corrective maintenance on Tactical Cable Assemblies.

Requirement. Given the references:

1. Measure cable performance.
2. Isolate faulty connection.
3. Splice cables.
4. Replace connectors.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. ISBN 0-9754542-1-8 The Light Brigade OTDR Theory and Operations
2. ISBN 0-9754542-2-6 The Light Brigade Fiber Optic Test Equipment
3. ISBN 0-7668-1967-1 Technician's Guide to Fiber Optics 3rd Edition
4. ISBN 0-9754542-5-1 The Light Brigade Fiber Optic Splicing

AIRS-1113 * B E G

Goal. Perform Mobile Tactical Air Operations Module (MTAOM) operations.

Requirement. Given the references, perform the following:

1. Perform initialization procedures.
2. Perform fault check procedures.
3. Configure equipment for covered and uncovered voice communications.
4. Perform voice communication operational checks.
5. Configure equipment for digital communications.
6. Perform digital communications operational checks.
7. Make an operational database.
8. Perform system shutdown procedures.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 08611B-OI, Vol 1 MTAOM Operations and Organizational Maintenance Manual, Volume 1
2. TM 08611B-OI, Vol 2 MTAOM Operations and Organizational Maintenance Manual, Volume 2
3. TM 08611B-OI, Vol 3 MTAOM Operations and Organizational Maintenance Manual, Volume 3

AIRS-1114 * B E G

Goal. Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.

Requirement. Given the references:

1. Power on the CTN equipment.
2. Perform CTN net entry procedures.
3. Perform equipment fault checks.
4. Shutdown the CTN equipment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

3. Describe the Air Traffic Control Detachment.
4. Describe the Tactical Air Operations Center Detachment.
5. Describe the Early Warning and Control Detachment.

Performance Standard. Pass an exam.

Instructor. FLC instructor.

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.3 Marine Air Command and Control System Handbook
2. MCWP 3-25.6 Sector Anti-Air Warfare Coordinator Handbook
3. MCWP 3-25.7 Tactical Air Operations Center Handbook

8.10 CORE SKILL TRAINING (2000)

8.10.1 Purpose. To develop core skill proficiency for 5979 personnel to be able to perform duties while assigned to the TAOC RADAR section.

(1) Basic Technicians will gain core skill proficiency in basic tactical data system administration, operations, and maintenance.

(2) Advanced Technicians will gain core skill proficiency in advanced system administration, maintenance, and maintenance management concepts.

(3) Crew Chiefs will gain core skill proficiency in managing tactical data systems crew level maintenance, and maintenance management. This training will provide the crew chief the skills necessary to run a tactical data system crew.

8.10.2 General.

8.10.2.1 Prerequisite.

(1) Tactical Data Systems Basic Technician (TDSBT). Core Skill Introduction training must be completed prior to beginning TDSBT training.

(2) Tactical Data System Advance Technician (TDSAT). Must be qualified as an TDSBT prior to beginning TDSAT training.

(3) Tactical Data Systems (TDSCC). Must be qualified as an TDSAT prior to beginning TDSCC training.

(4) Tactical Data Systems Maintenance Chief (TDSMC). Must be qualified as an TDSAT prior to beginning TDSMC training.

8.10.2.2 Admin Notes.

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

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

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

PAR NO.	STAGE NAME
8.10.3	MACCS MAINTENANCE COMMON (CMN)
8.10.4	TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)
8.10.5	COMMUNICATION SECURITY (COMSEC)
8.10.6	FAMILIARIZATION (FAM)
8.10.7	COLLATERAL DUTY (CD)
8.10.8	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
8.10.9	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
8.10.10	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
8.10.11	CONFIGURATION (CONFIG)
8.10.12	DATA LINK COORDINATOR (DLC)
8.10.13	EQUIPMENT (EQUIP)
8.10.14	MAINTENANCE MANAGEMENT (MMGT)
8.10.15	OPERATIONAL MANAGEMENT (OMGT)

8.10.3 MACCS MAINTENANCE COMMON (CMN) STAGE

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

8.10.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

CMN-2150 2.0 * B L

Goal. Conduct an SL-3 inventory.

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

1. Validate inventory reference in SL 1-2.
2. Verify UURI authorization.
3. Identify and document on-hand, missing, or unserviceable

components.

4. Document completed inventory findings in the record jacket.
5. Initiate supply action to replace missing and/or unserviceable components.
6. Obtain a "supervised by" signature.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2151 1.5 * B L

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

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

1. State the purpose of PMCS.
2. Identify the PM frequency.
3. Identify PM procedures.
4. Interpret the entries listed on the provided PMCS roster.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/_
2. NAVMC 10561

equipment.

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

Instructor. BI, SI

Prerequisite. 2173

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2154 2.0 * B, R L

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

Requirement. Identify the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CMN-2155 1.0 * B L

Goal. Describe T/E shelters.

Requirement. Given references and T/E shelters:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Shelter Technical Manuals

CMN-2156 2.0 * B Shelter L

Goal. Emplace shelter.

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

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

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

Instructor. BI, SI

Prerequisite. 2155

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2157 2.0 * B Shelter L

Goal. Cable shelter for power.

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

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

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

Instructor. BI, SI

Prerequisite. 2156

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable Technical Manual

CMN-2158 1.0 * B Tool box L

Goal. Demonstrate how to maintain a tool box.

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

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

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

Instructor. BI, SI

Prerequisite. 2150, 2151

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MMO SOP
2. MCO P4790.2_
3. MCO p4400.150_

4. Supply instruction
5. Applicable SL-3 for tool box

CMN-2159 1.0 * B, R GCSS L

Goal. Initiate a service request.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Appropriate GCSS access

Reference.

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

8.10.4 TEST MEASUREMENT DIAGNOSTIC EQUIPMENT (TMDE) STAGE

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

8.10.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

TMDE-2171 2.0 * B, R Oscilloscope L

Goal. Utilize an oscilloscope.

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

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

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

Instructor. BI, SI

Prerequisite. 2172

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

TMDE-2172 2.0 * B, R Signal generator L

Goal. Demonstrate the use of a signal generator.

Requirement. Given a signal generator demonstrate the following:

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

Performance Standard. Report the results without error.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable signal generator manual and equipment TM

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

Goal. Utilize a Ground Tester.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

TMDE-2175 1.0 * B, R Multimeter L

Goal. Utilize a multimeter.

Requirement. Given a multimeter, cable, and references:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manual

TMDE-2177 1.0 * B, R Wattmeter L

Goal. Utilize a wattmeter.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

TMDE-2178 1.0 * B, R OTDR L

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable OTDR Manual

8.10.5 COMMUNICATION SECURITY (COMSEC) STAGE

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

8.10.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

COMSEC-2190 2.0 365 B, R, M L

Goal. Describe proper handling and storage of classified materials.

Requirement. Perform the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P5510.18_
2. EKMS-1_

3. SECNAVINST 5510.36
4. UNIT SOP

COMSEC-2191 2.0 365 B, R, M _____ L

Goal. State the physical security requirements for classified areas.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2192 2.0 365 B, R, M _____ L

Goal. Create a classified area physical security diagram.

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

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

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

Instructor. BI, SI

Prerequisite. 2191

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2193 2.0 365 B, R, M L

Goal. Conduct classified material inventory.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1A
2. 5530

COMSEC-2194 2.0 * B, R L

Goal. Extract key material information from EKMS COMSEC callout.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2195 2.0 365 B, R, M L

Goal. Utilize a Common Fill Device.

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

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_

COMSEC-2196 2.0 * B L

Goal. Ensure CMCC handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

COMSEC-2197 2.0 * B L

Goal. Ensure EKMS material handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1_
2. UNIT SOP

COMSEC-2198 1.0 * B L

Goal. Ensure CCI material handling procedures are followed.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2190

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. EKMS-1
2. UNIT SOP

COMSEC-2199 2.0 365 B, R, M L

Goal. Ensure physical security of classified areas.

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

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

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

Instructor. BI, SI

Prerequisite. 2191, 2192

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.10.6 FAMILIARIZATION (FAM) STAGE

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

8.10.6.2 General

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

Admin Notes. None

Crew Requirements. None

FAM-2210 2.0 * B L

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2211 3.0 * B L

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

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable user manuals

FAM-2212 2.0 * B L

Goal. Describe the CAC2S.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CAC2S IETM

FAM-2216 2.0 * B L

Goal. Identify the Intelligence Operations Workstation (IOW).

Requirement. Given the references and an IOW:

1. Describe the purpose of the IOW.
2. Describe the function of the IOW.
3. Describe software on the IOW.
4. Describe hardware components.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2217 1.0 * B L

Goal. Describe T/E radios.

Requirement. Describe the characteristics for the following:

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

- a. Frequency range.
 - b. Power output.
 - c. Types of antennas.
5. AN/GRC-256
- a. Frequency range
 - b. Power output
 - c. Types of antennas.
6. AN/USQ-140 (V) 2
- a. Frequency range
 - b. Power output
 - c. Types of antennas.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

FAM-2218 1.0 * B _____ L

Goal. Describe C2 Applications.

Requirement. Given the references describe purpose of the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TBMCS SUMs

FAM-2219 1.0 * B L

Goal. Familiarization with LRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the LRR.
2. Describe the major components of the LRR.
3. Describe the characteristics of the LRR.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07751C-OR Radar Set AN/TPS-59A(V)3

FAM-2220 1.0 * B L

Goal. Familiarization with MRR equipment.

Requirement. Given the reference:

1. Describe the purpose of the MRR.
2. Describe the major components of the MRR.
3. Describe the characteristics of the MRR.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 07736C-14/1-2 Radar Set AN/TPS-63 System Technical Description

FAM-2221 1.0 * B L

Goal. Describe the Identification Friend or Foe (IFF) MK XII interrogator system.

Requirement. Given the reference:

1. Describe the purpose of the MK VII IFF system.
2. Describe the major components of the AN/UPX-37 Interrogator system.
3. Describe the characteristics of the AN/UPX-37 Interrogator System.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. UM 2005

FAM-2222 1.0 * B L

Goal. Describe TACLAN.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

8.10.7 COLLATERAL DUTY (CD) STAGE

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

8.10.8.2 General

Prerequisite. None

Admin Notes. Familiarization of all maintenance collateral duties gives the technician an awareness of the different essential functions required within the maintenance section.

Crew Requirements. None

CD-2230 8.0 * B, R L

Goal. State the maintenance Collateral Duties (CD).

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

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

9. Records.
 - a. State the purpose of the records program.
 - b. State the duty responsibilities.
10. Quality Control.
 - a. State the purpose of the quality control program.
 - b. State the duty responsibilities.
11. Training Program
 - a. State the purpose of the Training program.
 - b. State the duty responsibilities.

Performance Standard. verbally state the purpose and responsibilities of each CD without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. MCO 4790.2
4. TM 4700-15/1
5. Applicable CD Desktops
6. MCO 5100.29
7. MMO SOP
8. MCO 4790.1
9. MCO 5600.1

CD-2231 1.0 * B L

Goal. Identify the Maintenance Calibrations Program.

Requirement. Given three pieces of Test Measurement and Diagnostic Equipment (TMDE), verify the following:

1. TMDE is correctly marked with calibrations information.
2. Calibration date is current.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP

CD-2232 2.0 * B L

Goal. Identify the Maintenance Modifications Program.

Requirement. Given the references, perform the following:

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

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CD-2233 2.0 * B L

Goal. Manage the Tool Control Program.

Requirement. Given the references, perform the following:

1. Identify elements in the Tool Control Desktop Procedures binder.
2. Describe tool control procedures:
 - a. Inventory schedule.
 - b. Check-in/Check-out.
 - c. Tool replacement.
2. Conduct serviceability inspection of tools and tool boxes.
3. Submit special tool allowance authorization request.
4. Identify tools with special calibration requirements and submit for inclusion in Calibrations Program.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2
2. TM 4795-OR/1A
3. MMSOP

CD-2234 2.0 * B L

Goal. Identify the Maintenance Publications Library.

Requirement. Given the references, perform the following:

1. Demonstrate how to locate required publications for specific equipment.
2. Demonstrate how to verify publications are up-to-date.
3. Describe the purpose of Publications Library Management System (PLMS).
4. Fill out a NAVMC 10772.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5210.11E
2. MCO P5125.17C
3. PLMS
4. MCO P4790.2
5. MMO SOP
6. Maintenance Publications Library Desktop

CD-2235 2.0 * B L

Goal. Identify major Maintenance Safety Program elements.

Requirement. Given the references, perform the following:

1. Define and identify the purpose of Lock-out/Tag-out.
2. Demonstrate lock-out/tag-out procedures.
3. Eliminate the effects of ESD on electronic components.
 - a. Define ESD.
 - b. Setup ESD workstation.
 - c. Demonstrate proper use of ESD workstation during repair of ESD sensitive circuit.
 - d. Demonstrate proper packaging and handling of ESD sensitive material.
4. Describe hazard prevention as it applies to:
 - a. Electrical hazards.
 - b. Eye hazards.
 - c. Hearing hazards.
 - d. RF hazards.
 - e. Fire hazards.
5. Identify HAZMAT procedures.
 - a. State purpose of a Material Safety Data Sheets (MSDS).
 - b. Properly store and label HAZMAT materials.
 - c. Demonstrate proper usage of Personal Protective Equipment (PPE).
 - d. State the purpose of and locate and read safety board.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5100.29_
2. MCO 4450.12_
3. MCO 5100.8_
4. TM 07751B Series
5. TM 07736C Series
6. OSHA standard 29 CFR 1910.147
7. Electro Discharge Mgmt (ESD) TM-9999-15/2
8. Maintenance Safety Program Desktop

CD-2236 2.0 * B L

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

Performance Standard. With the aid of reference, identify the five key elements listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CD-2238 1.0 * B _____ L

Goal. Identify the equipment record jacket.

Requirement. Given the references and a record jacket, perform the following:

1. State the purpose of a record jacket.
2. State the minimum content requirements for an equipment record jacket.
3. State the destruction instructions for each document within the record jacket.
4. State the local policy for disposition of inactive record jackets.
5. Inspect the record jacket content for completeness.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

CD-2242 2.0 1460 B, R, M L

Goal. Perform Quality Control Procedures.

Requirement. Given the references and equipment records, perform the following:

1. Identify maintenance QC procedures.
2. List all the QC areas within your section.
3. State the frequency of the QC checks for each area.
4. Conduct a QC inspection on a selected piece of equipment:
 - a. Ensure equipment is being maintained to equipment standards.
 - b. Ensure quality controls are being adhered to.
 - c. Ensure inspection standards, checklists or templates being used to inspect completed maintenance actions.
 - d. Ensure equipment specifications are being recorded within tolerance levels IAW TM.
 - e. Verify the repair process is properly implemented by ensuring that:
 - (1) Proper tools were used.
 - (2) ESD procedures were used.
 - (3) Safety warnings were adhered to.
 - (4) Necessary defective parts were replaced.
 - (5) Correct software was used, as applicable.
 - (6) Proper GCSS entries are annotated on the Service Request throughout the Maintenance Cycle.
5. Write a report identifying discrepancies.

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

Instructor. BI, SI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MMO SOP
3. Applicable TMs
4. UM 4400-125 (Draft)

CD-2243 2.0 * B _____ L

Goal. Identify the Maintenance Training program.

Requirement. Given the references, perform the following:

1. Describe the purpose of the maintenance training program.
2. List annual training requirements.
3. List requirements for maintenance management training.
4. Explain the purpose of the Aviation T&R program.
5. Explain how training is tracked within the Aviation T&R program.

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

Instructor. BI, SI

Prerequisite. 2230

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP
2. MCO p4790.2_
3. NAVMC 3500.14_
4. MCRP 3-01_

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

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

8.10.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-2250 4.0 * B _____ E _____ L

Goal. Explain PC hardware.

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

1. Explain and apply BIOS settings.

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2251 4.0 * B E L

Goal. Explain networking concepts.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2252 4.0 * B E L

Goal. Explain laptop features and characteristics.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2253 4.0 * B E L

Goal. Explain printer features and characteristics.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2254 4.0 * B E L

Goal. Explain operational procedures.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2255 4.0 * B E L

Goal. Explain operating systems.

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

1. Compare the features and requirements of various Microsoft Operating Systems.
2. Given a scenario, install, and configure the operating system using the most appropriate method.
3. Given a scenario, use appropriate command line tools.
4. Given a scenario, use appropriate operating system features and tools.
5. Given a scenario, use Control Panel utilities (the items are

- organized by "classic view/large icons" in Windows).
6. Setup and configure Windows networking on a client/desktop.
 7. Perform preventive maintenance procedures using appropriate tools.
 8. Explain the differences among basic OS security settings.
 9. Explain the basics of client-side virtualization.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2256 4.0 * B E L

Goal. Explain security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2257 4.0 * B E L

Goal. Explain Mobile Devices.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-2258 4.0 * B E L

Goal. Explain Troubleshooting.

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

1. Given a scenario, explain the troubleshooting theory.
2. Given a scenario, troubleshoot common problems related to motherboards, RAM, CPU and power with appropriate tools.
3. Given a scenario, troubleshoot hard drives and RAID arrays with appropriate tools.
4. Given a scenario, troubleshoot common video and display issues.
5. Given a scenario, troubleshoot wired and wireless networks with appropriate tools.
6. Given a scenario, troubleshoot operating system problems with appropriate tools.
7. Given a scenario, troubleshoot common security issues with appropriate tools and best practices.
8. Given a scenario, troubleshoot, and repair common laptop issues while adhering to the appropriate procedures.
9. Given a scenario, troubleshoot printers with appropriate tools.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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

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

8.10.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-2259 4.0 * B E L

Goal. Explain Networking Concepts.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2260 4.0 * B E L

Goal. Explain Network Installation and Configuration.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2261 4.0 * B E L

Goal. Explain Network Media and Topologies.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2262 4.0 * B E L

Goal. Explain Network Management.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFNT-2263 4.0 * B E L

Goal. Explain Network Security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.10.10 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

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

8.10.10.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-2264 4.0 * B E L

Goal. Explain Network Security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2265 4.0 * B E L

Goal. Explain Operational Security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2266 4.0 * B E L

Goal. Explain threats and vulnerabilities.

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

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

use of penetration testing versus vulnerability scanning.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2267 4.0 * B E L

Goal. Explain cryptography.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2268 4.0 * B E L

Goal. Explain access control and identity management.

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

1. Explain the function and purpose of authentication services.
2. Explain the fundamental concepts and best practices related to authentication, authorization and access control.

3. Explain the Implementation of appropriate security controls when performing account management.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFST-2269 4.0 * B E L

Goal. Explain application, data and host security.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.10.11 CONFIGURATION (CONFIG) STAGE

8.10.11.1 Purpose. To instruct the trainee on configuration of the TAOC, TDS equipment.

8.10.11.2 General

Prerequisites. None

Admin Notes. None

Crew Requirements. None

CONFIG-2300 1.0 * B, R L

Goal. Build a data base for the TAOM or MTAOM.

Requirement. Given the references and a scenario, build a database for the TAOM or MTAOM:

1. Load and initialize a data base.
2. Enter a required minimum of 5 data base entries.
 - a. Magnetic Variation.
 - b. Data link reference point.
 - c. Data link address.
 - d. Track # block.
 - e. Unit position.
3. Enter required voice communication entries, based on mission.
4. Enter required radar data base entries, based on mission.
5. Enter required Data link entries, based mission. .
6. Record all data base entries above.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual

CONFIG-2301 1.0 * B L

Goal. Verify voice communications are operational.

Requirement. Given a scenario, operational documents, and a configured TAOM or MTAOM with CS:

1. Verify radio frequency configuration.
2. Verify Crypto.
3. Verify antenna type and locations.
4. Verify radio assignments to nets.
5. Verify restoration priorities.
6. Conduct radio check with external agency.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10498B-OD TAOM Operations Maintenance Manual
2. TM 10200A-OI/1 ADCP Maintenance Manual
3. TM 10389-12 CTT Operators & Unit Maintenance Manual
4. TM 10389-30 CTT Direct Support Maintenance Manual

CONFIG-2302 8.0 * B, R L

Goal. Restore system software for MTAOM, CTN, and JRE.

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

1. Restore operating system from clone or image.
2. Update to current fielded software version as required.
3. Configure operating system as required.
4. Document changes to system configuration.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI

7. TM 11406A-OR/2

CONFIG-2303 4.0 * B, R L

Goal. Perform data recovery management on a TDS system.

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

1. Plan data backup.
2. Create data backup.
3. Restore data from backup.
4. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis).
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2304 4.0 * B, R L

Goal. Perform logfile management on a TDS system.

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

1. Monitor logfiles.
2. Save logfiles.
3. Empty logfiles.
4. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2305 4.0 * B, R L

Goal. Perform account management on a TDS system.

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

1. Manage user accounts.
2. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2306 4.0 * B, R L

Goal. Apply Software release updates for TDS system.

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

1. Schedule software release installation.
2. Install software release updates.
3. Test system software and applications.
4. Backup data as required.
5. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
6. TM-08611B-OI
7. TM 11406A-OR/2

CONFIG-2307 6.0 * B, R L

Goal. Update firmware within TDS systems.

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

1. Verify version of firmware on TDS equipment.
2. Update to current fielded firmware version as required.
3. Document changes as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 10200A-OI/1 ADCP Maintenance Manual
2. TM 11399A-OI/1 JRE Operations and Maintenance Instructions
3. TM 10498B-OD TAOM Operations Maintenance Manual
4. ISBN 0-7645-0149-3 Unix for Dummies 4th Edition (and/or appropriate commercial Unix references)
5. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
7. TM-08611B-OI
8. TM 11406A-OR/2.

CONFIG-2308 8.0 * B, R L

Goal. Configure TDS network equipment.

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

1. Energize components.
2. Configure network equipment.
3. Conduct operational status check.
4. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Appropriate end item user manuals

CONFIG-2309 8.0 * B, R L

Goal. Configure TDS circuit cards.

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

1. Energize components.
2. Configure circuit card.
3. Conduct operational status check.
4. Document as required.

11. State who on the interface may originate a CDO.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01_, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6016_

DLC-2321 1.0 * B L

Goal. Know the types and purpose of data filters.

Requirement. Given the reference:

1. State the purpose of the data filters.
2. State the personnel responsible for data filters and their associated duties.
3. Describe the characteristics of prearranged and non-prearranged data filters.
4. State the function of filter numbers and identify codes associated with the following types of unit filter types:
 - a. Link 11 Transmit filter.
 - b. Link 11B Transmit filter.
 - c. Link 16 Transmit filter.
 - d. Data forwarding filter for data forwarded from Link 11 to Link 11B.
 - e. Data forwarding filter for data forwarded from Link 11B to Link 11.
 - f. Transmit filter for all data links in a multi-link interface.
 - g. Data forwarding filter for data forwarded from Link 16 to Link 11.
 - h. Data forwarding filter for data forwarded from Link 16 to Link 11B.
 - i. Data forwarding filter for data forwarded from Link 16 to Link 11/11B.
 - j. Data forwarding filter for data forwarded from Link 11 or Link 11B to Link 16.
5. List essential information that should be included when establishing a data filter.
6. State the purpose of the following data filter types:
 - a. Geographic filters.
 - b. Fixed or slaved filters.
 - c. Identification filters.
 - d. Environment filters.

- e. Reference point filters.
 - f. EW filters.
 - g. Special Processing Indicator (SPI) filters.
7. State operational factors that may dictate the use of data filters.
8. State the doctrinal restrictions on the establishment of data filters.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual

DLC-2322 1.0 * B _____ L

Goal. State the characteristics of and terms associated with Link 11.

Requirement. Given the reference:

1. State the general description of Link 11.
2. Define the following Link 11 station modes of operation:
 - a. Net Control Station (NCS).
 - b. Picket.
3. Define the following Link 11 net modes of operation:
 - a. Roll Call.
 - b. Broadcast (Long).
 - c. Short Broadcast.
 - d. Net Sync.
 - e. Net Test.
4. State the purpose of the following Link 11 waveforms:
 - a. Conventional Link 11 Waveform (CLEW).
 - b. Single Tone Link 11 Waveform (SLEW).
5. Describe the characteristics of the following Link 11 data encryption modes:
 - a. A1.
 - b. A2.
 - c. B.
 - d. Plain Text.
6. Define Data Link Reference Point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.
7. Describe Link 11 Gridlock.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2323 1.0 * B _____ L

Goal. State the characteristics of and terms associated with Link 11B.

Requirement. Given the reference:

1. State the general description of Link 11B.
2. State the communications mediums that Link 11B can be transmitted over.
3. State the most common encryption devices used for Link 11B.
4. State the purpose of "strapping," with respect to Link 11B encryption devices.
5. Define the following Link 11B data transmission modes:
 - a. Limited Transmission of Data (LTD) mode.
 - b. Full Transmission of Data (FTD) mode.
6. Define Data Link Reference point, and state typical usage criteria and limitations per the Joint Multi-TDL Operating Procedures.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6011C, Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B

DLC-2324 1.0 * B _____ L

Goal. State the characteristics of Link 16.

Requirement. Given references:

1. State the general description of Link 16.
2. Define the list of following terms associated with Link 16:
 - a. Active Synchronization.
 - b. Backlink Command and Control JTIDS/MIDS Unit (C2 JU).
 - c. Conditional Radio Silence Mode.
 - d. Contention Access Mode.
 - e. Dedicated Access Mode.
 - f. Donor.
 - g. Dynamic Network Management.
 - h. Extension Word.
 - i. Geodetic Position Quality.
 - j. Header Message.
 - k. Host System.
 - l. Initial Entry.
 - m. Initial Entry JTIDS/MIDS Unit (IEJU).
 - n. Machine Receipt.
 - o. Multifunctional Information Distribution System (MIDS).
 - p. Minimum Implementation.
 - q. Mode 1, 2, and 4 Communications.
 - r. Net Number.
 - s. Network Participation Group.
 - t. Network Time Reference.
 - u. Non-Command and Control JTIDS/MIDS Unit (NonC2 JU).
 - v. Pool.
 - w. Passive Synchronization.
 - x. Recurrence Rate.
 - y. Reed-Solomon Code.
 - z. Relative Position Quality.
 - aa. Relay Block.
 - bb. Round-Trip Timing (RTT).
 - cc. Stacked Net.
 - dd. Synchronization.
 - ee. Time (System & Terminal).
 - ff. Time Quality (QT).
 - gg. Time Slot.
 - hh. Time Slot Reallocation Access Mode.
3. Describe the information contained in the Scope section of MIL-STD-3011's following appendices:
 - a. Appendix A.
 - b. Appendix B.
 - c. Appendix C.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16
3. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2325 1.0 * B _____ L

Goal. State the characteristics of Joint Range Extension Application Protocol (JREAP).

Requirement. Given references:

1. Define Joint Range Extension Application Protocol (JREAP).
2. List the capabilities of JREAP.
3. Define the following terms associated with JREAP:
 - a. Common Time Reference.
 - b. Demand Access Multiple Access (DAMA).
 - c. Joint Range Extension (JRE).
 - d. JRE Network Controller.
 - e. JRE Source Track Number.
 - f. Link 16 Zone.
 - g. Multicast.
 - h. Packet.
 - i. Port.
 - j. Secondary Track Number.
 - k. Token Passing.
 - l. Transmission Sequence List.
 - m. Unicast.

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL-STD-3011A, Department of Defense Interface Standard for the Joint Range Extension Application Protocol

DLC-2326 2.0 730 B, R, M _____ L

Goal. Operate Link 11.

Requirement. Given the references, operational documents, and a C2

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. Defense Information Systems Agency (DISA) United States Message Text Format (USMTF) Website
<https://standmgt.disa.mil/restricted/usmtf/>

DLC-2328 2.0 730 B, R, M L

Goal. Operate Link 16.

Requirement. Given an OPTASK LINK, Network Description Document (NDD), Initialization Data Load (IDL), and a C2 system:

1. Extract required information from the OPTASK LINK.
2. Enter required database entries per the OPTASK LINK.
3. Enter and activate filters per the OPTASK LINK.
4. Identify Stacked Net assignments for voice and air control.
5. Enter and valid stacked net assignments in the database.
6. Validate equipment is configured correctly.
7. Validate the equipment is keyedLoad the appropriate time and IDL.
8. Load the initialization data load (IDL).
9. Perform link entry procedures Perform net exit procedures.
10. Achieve fine synchronization with another interface unit.
11. Operate in/as the following:
 - a. Radio Silent or data silent.
 - b. Network Time Reference (NTR).
 - c. Initial Entry JTIDS Unit (IEJU).

Performance Standard. Complete the requirement items IAW the reference; minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual

2. Understanding Link 16 Handbook, A Guidebook for US Navy and US Marine Corps Operators
3. MIL STD 6016E, Department of Defense Interface Standard, Tactical Data Link (TDL) 16

DLC-2329 2.0 730 B, R, M _____ L

Goal. Configure the Joint Range Extension-Gateway (JRE-GW).

Requirement. Given a C2 system:

1. Configure own unit data.
2. Configure JRE-GW client software, to include:
 - a. Clients.
 - b. Roles.
 - c. Client Applications Settings.
 - d. JRE Client Map functions.
3. Configure the JRE Overlay Editor tool.
4. Configure the following JRE Client Tool menu items:
 - a. Operator Action.
 - b. eDERG.
 - c. ATO.
 - d. ACO.
5. Configure the JRE-GW to host a Multifunctional Information Distribution System (MIDS) terminal.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOPE) Manual
2. JRE Version 5.3.x Software User Manual

DLC-2330 2.0 730 B, R, M _____ L

Goal. Operate JREAP A.

Requirement. Given a JRE-GW, SATCOM radio assets, Satellite Access Authorization (SAA), OPTASKLINK, and assistance from maintenance and communications sections:

1. Extract satellite communications information from the SAA.
2. Configure the radio for JREAP A operations.
3. Load crypto into the radio.

4. Validate JREAP A equipment is connected.
5. Validate the SATCOM antenna has the correct elevation and azimuth.
6. Build the JREAP A link in the JRE-GW.
7. Enter and activate filters in the JRE-GW.
8. Enable and disable the correct link connections.
9. Activate and exchange information.
10. Demonstrate the ability to operate in the following modes:
 - a. Network Participant.
 - b. Network Controller.
 - c. Network Listener.

Performance Standard. Successfully exchange tracks.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. Link 16 capable platform(s).

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2331 2.0 730 B, R, M L

Goal. Operate JREAP B.

Requirement. Given a JRE-GW, a serial line encryption device, and assistance from maintenance and communications sections:

1. Configure the serial line encryption device for JREAP B operations.
2. Ensure the serial line encryption device is connected to the JRE-GW and telephone line.
3. Build the JREAP B link in the JRE-GW.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP B.

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2332 2.0 730 B, R, M L

Goal. Operate JREAP C.

Requirement. Given a JRE-GW, SIPRNET access, and assistance from maintenance and communications sections:

1. Ensure the JRE-GW is configured with the correct IP address.
2. Ensure the JRE-GW is connected to the network.
3. Build a JREAP C IP links in the JRE-GW.
 - a. TCP.
 - b. UDP.
 - c. MTC.
 - d. MTDS.
4. Enter and activate filters in the JRE-GW per the OPTASK LINK.
5. Enable and disable the correct link connections.
6. Activate and exchange information with JREAP-C (either TCP or UDP).

Performance Standard. Successfully exchange information/data.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTOP) Manual
2. JRE Version 5.3.x Software User Manual
3. MIL STD 3011A Department of Defense Interface Standard for Joint Range Extension Application Protocols

DLC-2333 3.0 * B L

Goal. Troubleshoot Link 11.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the TAOC is in the NCS's polling sequence.
3. Use transmit and receive quality to determine connectivity.
4. Select and monitor Link 11 messages.
5. Recognize and take appropriate action for an incorrect DLRP.
6. Recognize and take appropriate action for incorrect crypto.

7. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

DLC-2334 3.0 * B L

Goal. Troubleshoot Link 11B.

Requirement. Given a C2 system with an operational Link 11:

1. Determine if the internal data path being used for Link 11 is functional.
2. Determine if the external data path is established.
3. Select and monitor Link 11B messages.
4. Recognize and take appropriate action for an incorrect DLRP.
5. Recognize and take appropriate action for incorrect crypto.
6. Elevate unresolvable issues to the Crew Chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard, Tactical Data Link (TDL) 11/11B
3. System Technical Manual

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. System Technical Manual

DLC-2337 3.0 * B L

Goal. Troubleshoot JREAP B.

Requirement. Given a C2 system with a malfunctioning JREAP B:

1. Verify distant end and local settings on the STEs.
2. Identify low quality phones lines to the crew chief.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

DLC-2338 3.0 * B L

Goal. Troubleshoot JREAP C.

Requirement. Given a C2 system with a malfunctioning JREAP C:

1. Use the ping and trace route functions to determine if a network connection exists between two computers.
2. Identify firewall exemptions to the communication's section to open blocked ports.
3. Elevate unresolvable issues to the crew chief.

Performance Standard. Complete the requirement items IAW the references without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CJCSM 6120.01E, Joint Multi-TDL Operating Procedures (JMTO) Manual
2. MIL STD 6011C Department of Defense Interface Standard Joint Range Extension Application Protocols
3. JRE Version 5.3.x Software User Manual

8.10.13 EQUIPMENT (EQUIP) STAGE

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

8.10.13.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-2380 4.0 * B L

Goal. Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the reference, AN/USQ-140(V)2, required component(s), TMDE and maintenance tools listed in the reference, perform the following:

1. Conduct CM on the AN/USQ-140(V)2 and identify faulty component on the system.
2. Replace the faulty component(s), as required.
3. Complete all required administrative actions.
4. Return to operational readiness condition.
5. Conduct PM on the AN/USQ-140(V)2.
6. Document as required.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2381 4.0 * B L

Goal. Identify the major components of the AN/USQ-140 (V) 2 Multifunctional Information Distribution System (MIDS).

Requirement. Given the references, perform the following:

1. Describe the characteristics of the MIDS Terminal.
2. Describe the characteristics of Link 16.
3. Describe subsystem interfaces.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 11-5895-1592-12 MIDS OP/MAINT MAN
2. TM 11-5895-1592-23P Repair Parts and Special Tools
3. TM 11-5895-1592-30 Direct Support Maintenance Manual AN/USQ-140 (V) 2
4. MIL-STD-6016E

EQUIP-2424 6.0 * B L

Goal. Set-up the Mobile Tactical Air Operations Module (MTAOM).

Requirement. As a member of a TDS crew, given a ADCP, PPE, and the

reference, complete the following steps:

1. Unpack MTAOM.
2. Ground MTAOM and Integrated Trailer Environmental Control Unit Generator (ITEG).
3. Set up a MTAOM Operational Facility (OPFAC).
 - a. Emplace Tent Case.
 - b. Emplace smart tables.
 - c. Emplace OIE.
 - d. Connect OIE to Tent Case.
4. Connect Air Conditioners.
5. Connect power cables. .
6. Erect antennas and connect RF cables.
8. Operate the ITEG.
9. energize the system.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2425 6.0 * B L

Goal. Tear down the Mobile Tactical Air Operations Module (MTAOM).

Requirement. As a member of a TDS crew, given a ADCP, PPE, and the reference, complete the following steps:

1. Shutdown MTAOM.
2. Remove and store classified hardware.
3. Remove Grounding cables/braids.
4. Disconnect Air Conditioners.
5. Disconnect power cables. .
6. Take down antennas and disconnect RF cables.
7. Disconnect fiber optic cables.
8. pack-up TAOM .

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2426 6.0 730 B, R, M L

Goal. Set-up the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the reference, complete the following steps:

1. Unpack CTN.
2. Ground CTN and generator.
3. Connect power cables. .
4. Employ generator.
5. Erect antennas and connect RF cables.
6. Connect fiber optic cables.
7. Energize the system.
8. Configure CTN for operations.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

EQUIP-2427 6.0 730 B, R, M L

Goal. Tear-down the Composite Tracking Network (CTN).

Requirement. As a member of a CTN crew, given a CTN, PPE, and the

reference, complete the following steps:

1. Shutdown CTN.
2. Remove and store classified hardware.
3. Remove Grounding cables/braids.
4. Disconnect Air Conditioners.
5. Disconnect power cables. .
6. Take down antennas and disconnect RF cables.
7. Disconnect fiber optic cables.
8. pack-up CTN.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 9406-15 Grounding Procedures Manual
2. MTAOM Operations Maintenance Manual

8.10.14 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

8.10.14.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-2600 3.0 * B L

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

Requirement. Given a Phase out Plan (POP) and applicable references, ensure unserviceable/obsolete equipment is properly disposed.

1. Provide supply with disposition request.
2. Ensure final SL-3/LTI is performed.
3. Ensure record jackets are turned-in with equipment.
4. Provide supply with required documentation to remove from CMR.

Performance Standard. With the aid of reference, verbally describe the

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

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Equipment Disposition Instructions
2. Supply Instructions
3. SL-3 or other inventory documents.
4. MCO P4400.82F Regulated Controlled Item Management
5. UM 4400-125 (Draft)

MMGT-2601 1.0 * B L

Goal. Create a Preventive Maintenance Checks and Services (PMCS) schedule.

Requirement. Given a list of equipment requiring PMCS create a schedule.

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

Instructor. BI, SI

Prerequisite. 2151

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2602 4.0 * B, R GCSS L

Goal. Reconcile Global Combat Supply System (GCSS) reports.

Requirement. Given the reports listed in item 1 below:

1. Identify the purpose of:
 - a. Maintenance Production Report (MPR).
 - b. Equipment Status Report (ESR).
 - c. Preventative Maintenance Report.
 - d. Calibrations Report.
 - e. Modification Instruction report.
 - f. Maintenance Management Report (MMR).
 - g. Loaded unit balance file (LUBF).
 - h. Due and status file (DASF).
 - i. Service Request (SR).
 - (1) Tasks.
 - (2) Notes.
 - (3) Parts Requirements.
 - j. Inspection repair tag (NAVMC 1018).
 - k. Layette bin.
 - (1) Sub-Inventory.
 - (2) Stage.
 - l. Oracle Installed Base.
 - (1) Parent/Child Relationships.
2. Identify the type of information contained in each of the forms listed above.
3. Identify the status of a parts requisition.
4. Identify proper use of UMMIPS priorities.
5. State item requisition priorities.
6. State any errors found within each of the forms listed above.
7. Reconcile all items listed above and list all errors found in each form.
8. Explain how to maintain a layette bin.

Performance Standard. With the aid of reference, verbally identify errors on reports provided and identify corrective actions to the instructor without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_
2. MCBUL 3000
3. MCO P4400.16-
4. DLA Handbook
5. Unit MMSOP
6. UM 4400-125 (Draft)

MMGT-2603 2.0 * B L

Goal. Identify the SECREP management process.

Requirement. Given the references, perform the following:

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

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2604 2.0 * B L

Goal. Define RA with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Requisition Authority Funds.
2. Identify regulations governing.
3. What can be purchased.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR) Volume 2A, Chapter 1]

MMGT-2605 2.0 * B L

Goal. Define PE with regards to O&M funds.

Requirement. Given the references, identify the following:

1. Planning Estimate funds.
2. Regulations governing.
3. What can be purchased.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DoD Financial Management Regulation [DoD 7000.14-R (FMR)] Volume 2A, Chapter 1]

MMGT-2606 2.0 * B L

Goal. Induct new equipment into service.

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

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

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

Instructor. BI, SI

Prerequisite. 2150, 2159, 2231, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. SI 10510-OD
2. ULSS
3. Equipment SL-3
4. MCO P4400.82
5. UM 4400.124

MMGT-2607 2.0 * B L

Goal. Phase out equipment.

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

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

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

Instructor. BI, SI

Prerequisite. 2150

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2608 16.0 * B, R L

Goal. Inspect maintenance functional areas.

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

1. State the purpose for inspecting functional areas.
2. List the functional areas in your section.
3. Schedule an inspection.
4. Inform functional area managers of the inspection.
5. Conduct an inspection on the three selected areas.
6. Document the result of the inspection.
7. State to whom the inspection findings are submitted.

Performance Standard. With the aid of reference, conduct an inspection on three functional areas and submit the findings to the instructor without error. Minor errors corrected by the trainee are acceptable. The instructor will review the findings with the Marine.

Instructor. BI, SI

Prerequisite. 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. FSMAO Checklist
2. CGI Checklist
3. Unit SOP
4. MMOSOP

MMGT-2609 2.0 * B L

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

Requirement. Given a scenario and applicable references:

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

Performance Standard. Complete the requirement items to support the scenario without error. Minor errors corrected by the trainee are acceptable. Instructor will ensure the NAVMC 11355 supports the scenario requirement.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 5311.1_
2. Unit TO&E

MMGT-2610 2.0 * B L

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

Requirement. Given the references and an equipment requirement, complete the MCUNP form.

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 11475
2. MCO 3900.17_

MMGT-2611 40.0 * B L

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

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

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

Performance Standard. With the aid of reference, complete a CMR review without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4400.150_
2. CMR
3. MMO SOP

MMGT-2612 1.5 * B L

Goal. Verify inventory control procedures are implemented.

Requirement. Given an equipment record and SL-3:

1. Validate inventory results.
2. Validate parts requisition details.
3. Ensure service request is created within GCSS-MC.
4. Ensure parts requirement for unserviceable items are created within GCSS-MC.
5. Ensure inventory records are updated to reflect current status:
 - a. Item on-hand availability status.
 - b. Parts requisition status.

Performance Standard. With the aid of reference, perform inventory control procedures without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2150, 2159

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-2613 13.0 * B L

Goal. Identify the functions of maintenance management.

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

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

Performance Standard. With the aid of reference, pass an exam.

Instructor. BI, SI

Prerequisite. 2602, 2603, 2609, 2611

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

2. MCO P4790.1_
3. UM 4790.5
4. MCBUL 3000
5. MCO P4400.16_
6. DLA Handbook
7. Unit MMSOP
8. UM 4400-125 (Draft)
9. MCO 5311.1_
10. Unit TO&E_
11. MCO P4400.150_
12. CMR
13. MMO SOP
14. MCO 4400.151_

MMGT-2614 1.0 * B L

Goal. Ensure equipment is inducted into maintenance cycle.

Requirement. Given an inoperative piece of equipment and references, complete the following:

1. Review service request.
2. Review Inspection Tag (NAVMC 1018).
3. Inspect equipment.
4. Forward request to next level IAW SOP.

Performance Standard. Complete the requirements with 100% accuracy.

Instructor. BI, SI

Prerequisite. 2159

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. TM 4700-15/1_
2. MCO P4790.2_
3. MCO P4400.16_
4. Unit SOP
5. UM 4400-125 (draft)

8.10.15 OPERATIONAL MANAGEMENT (OMGT) STAGE

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

8.10.15.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-2680 2.0 * B L

Goal. Identify the purpose of communication planning documents.

Requirement. Given the documents below, identify their purpose:

1. Guard Chart.
2. Communication Electronic Operating Instruction (CEOI).
3. Operations Order.
4. Annex K of the Operations Order.
5. Annex S of the Operations Order.
6. Site Diagram.
7. Operational Tasking Data Link (OPTASKLINK).
8. EKMS Callout.
9. Operational Tasking Cooperative Engagement Capability (OPTASKCEC).

Performance Standard. Without the aid of reference, state (verbally or written) the requirement items to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 5-1
2. MCWP 3-40.3

OMGT-2681 2.0 365 B, R, M L

Goal. Determine required equipment to support a mission.

Requirement. Given a mission, a list of end items, create a list of equipment that supports all aspects and requirements of the mission, to include the following:

1. Support equipment.
2. EKMS.
3. TMDE.
4. Tools.
5. Utilities support equipment.
6. Supply support items.

7. Logistics/movement support items.
8. Personnel equipment.

Performance Standard. With the aid of reference, produce a list of equipment needed to support the mission by completing the requirement without error. Minor errors corrected by the trainee are acceptable. The instructor will confirm the list supports the mission.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2682 4.0 1460 B, R, M L

Goal. Conduct communications portion of a site survey.

Requirement. Given a scenario, applicable references, a TO/E and operational tasking, determine an appropriate site for system emplacement by performing the following:

1. Utilize planning tools to determine terrain masking and line of sight connectivity.
2. Determine a primary and secondary site location.
3. Identify obstructions and hazards.
4. Determine tactical orientation and equipment emplacement.
 - a. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Fuels (HERF) regulations.
 - b. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Ordnance (HERO) regulations.
 - c. Ensure emitters are emplaced IAW Hazardous Electronic Radiation to Personnel (HERP) regulations.
 - d. Ensure emitters are emplaced to support working area.
5. Identify the placement for vehicles.
6. Identify the placement for antennas.
7. Determine communications obstacles.
8. Determine system grounding requirements.
9. Identify power and fuel requirements.
10. Determine protection from the elements.
11. Determine Terrain Masking.
12. Determine operational footprint.
13. Design a site layout and submit to the instructor.
14. Develop a brief that addresses all event requirement items.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful

execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable. Brief the instructor on the considerations taken for each decision.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCDP 6
2. MCWP 3-25.4
3. MCWP 5-1
4. TM 10576D-OI Communications Interface System AN/MRQ-12(V)4
5. DRAFT - TM 12041A/15050A-OD/2 CAC2S System User Manual
6. IEEE C95.1-1991
7. NAVSHIPS 0967-317-7010
8. TM 9406-15
9. DODINST 6055.11
10. BUMED 6470.23
11. OPNAVINST 5100.23 Series
12. NAVSEA OP 3565/NAVAIR 16-1-529/NAVELEX 0967-LP-624-6010/Volume II
13. MCO 5100.29A W/CH 1
14. MCO 5104.2
15. MCO 5104.3A

OMGT-2683 2.0 * B L

Goal. Identify crew requirements and write a crew schedule.

Requirement. Given operational tasking, references, section roster, and MSHARP crew report, perform the following:

1. Determine the duration of operations.
2. Determine total crews required to support the mission.
3. Determine the crew composition/requirements.
4. Write the crew schedule.
5. Submit the crew schedule to the instructor.
6. Describe the process to publish crew schedule once validated.

Performance Standard. With the aid of reference, determine crew requirements and write a crew schedule that supports the mission without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. T&R Manual
2. MCWP 3-25
3. MCWP 3-25.7

OMGT-2684 3.0 * B L

Goal. Determine supply support requirements.

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

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

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

Instructor. BI, SI

Prerequisite. 2691

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM

OMGT-2685 1.0 * B L

Goal. Develop an embarkation plan.

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

1. State the purpose of an embarkation plan.
2. Produce an equipment density list (EDL).
3. Produce Logistics documents as required.
4. Identify heavy equipment required to move EDL items.
5. Identify the modes of transportation required to move EDL items.

Performance Standard. With the aid of reference, complete the requirement and develop an embarkation plan to support the scenario. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. 2687

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2686 8.0 1460 B, R, M L

Goal. Write a packing list.

Requirement. Given the references, perform the following:

1. Define the purpose of a packing list.
2. Describe essential packing list contents.
3. Complete a packing list.

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

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2687 8.0 * B L

Goal. Write an Equipment Density List (EDL).

Requirement. Given the references and a 30 day scenario, perform the following:

1. Define the purpose of an EDL.
2. Describe essential EDL contents.
3. Complete an EDL.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

OMGT-2688 4.0 365 B, R, M L

Goal. Identify power requirements.

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

1. List all PEIs required to support the scenario.
2. Determine power requirements for each piece PEI.
3. Determine total power requirements to support all PEIs listed.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Refer to equipment applicable TMs

OMGT-2689 1.0 * B L

Goal. Identify spectrum management procedures.

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

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

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B
2. MCO 2400.2

OMGT-2690 1.0 * B L

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

Requirement. Given a scenario, fill out a request for:

1. Transportation.
2. Material Handling Equipment (MHE).
3. Supplies.
4. Personnel.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

OMGT-2691 2.0 * B L

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

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

1. Collect requests from communications maintenance sections.
2. Consolidate required materials into a BOM request.
3. Verify the request is sufficient to support 24-hour operations for the length of the exercise.
4. Validate the content to ensure it meets the requirement.
5. Submit the BOM to the instructor for review.

Performance Standard. With the aid of reference, submit a BOM that supports the scenario to the instructor for review and validation. Perform the requirement to a proficient level (correct, efficient and skillful execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable TM
2. Unit SOP

OMGT-2692 1.0 * B L

Goal. Describe common agency doctrinal nets.

Requirement. Given a list of doctrinal net names in acronym format and references, perform the following:

1. Define each net acronym.
2. Describe function for each net.
2. State the frequency spectrum doctrinally used for each net.
3. Identify agencies required to guard each net.

Performance Standard. With the aid of reference, perform the requirement to a proficient level (correct, efficient and skillful

execution of tasks without hesitation requiring minimal input from the instructor). Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-40.3

OMGT-2693 2.0 * B L

Goal. Identify communication service request procedures.

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

1. Identify submission timelines.
2. Identify data elements.
 - a. Internet protocol addresses.
 - b. Location, user accounts.
 - c. Dates.
 - d. Phone lines.
 - e. C2 application support.
 - f. Data network services (NIPR/SIPR).
 - g. Firewall exemptions.

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

Instructor. BI, SI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCRP 3-40B

OMGT-2694 2.0 * B, R L

Goal. Draw a site diagram for the TAOC.

Requirement. Given the references and operational documents, draw a site diagram depicting locations and connectivity of the following equipment:

1. MTAOM(s).
3. CTN.
4. CAC2S.
5. Generators.
5. ECUs.

Performance Standard. Draw a site diagram that supports the given scenario without error. Minor errors corrected by the trainee are acceptable.

Instructor. BI, SI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.11 MISSION SKILL TRAINING (3000)

8.11.1 Purpose. To provide the requisite advanced skills and working knowledge to employ the MACCS and ancillary equipment in order to accomplish the Tactical Air Operations Center missions.

8.11.2 General.

8.11.2.1 Prerequisite.

8.11.2.2 Admin Notes.

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

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

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

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

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

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

PAR NO.	STAGE NAME
8.11.3	INFORMATION ASSURANCE WORK FORCE A+ TECHNICIAN (IAWFAT)
8.11.4	INFORMATION ASSURANCE WORK FORCE NETWORK+ TECHNICIAN (IAWFNT)
8.11.5	INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST)
8.11.6	EQUIPMENT (EQUIP)
8.11.7	MAINTENANCE MANAGEMENT (MMGT)
8.11.8	OPERATIONAL MANAGEMENT (OMGT)
8.11.9	MARINE AIR CONTROL GROUP (MACG)

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

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

8.11.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFAT-3280 8.0 1095 B, R, M E L

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

Requirement. Without the aid of references, explain:

1. PC Hardware.
2. Networking.
3. Laptop.
8. Printers.
8. Operational Procedures.

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

80% accuracy.

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

IAWFAT-3281 8.0 1095 B, R, M E L

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

Requirement. Without the aid of references, explain:

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

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

Instructor. SI, WTI

Prerequisite. 2255, 2256, 2257, 2258

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

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

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

8.11.4.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFNT-3282 8.0 1095 B, R, M E L

Goal. Explain concepts included in Network+ exam N10-008.

Requirement. Without the aid of references, explain:

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

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

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.11.5 INFORMATION ASSURANCE WORK FORCE SECURITY+ TECHNICIAN (IAWFST) STAGE

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

8.11.5.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

IAWFST-3283 8.0 1095 B, R, M E L

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

Requirement. Without the aid of reference, explain:

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

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

80% accuracy.

Instructor. BI, SI

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

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.11.6 EQUIPMENT (EQUIP) STAGE

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

8.11.6.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

EQUIP-3465 6.0 * B L

Goal. Perform maintenance within the MTAOM.

Requirement. Given the references, one MTAOM, appropriate tools, and proper TMDE, isolate and repair one fault for each of the listed equipment groups within the MTAOM:

1. System Level Equipment (SLE).
2. Data Processing Equipment (DPE).
3. Voice Communication Equipment (VCE).
4. Internal Radio Equipment (IRE).
5. Operator Interface Equipment (OIE).
6. Digital Communication Equipment (DCE).
9. Complete Maintenance Management transactions. .

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

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MTAOM
2. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)

EQUIP-3466 6.0 * B L

Goal. Perform maintenance within the CTN.

Requirement. Given the references, one CTN, appropriate tools, and proper TMDE, isolate and repair one fault for each of the equipment groups listed below within the CTN:

1. Sensor Fusion Subsystem,.
2. Communications Subsystem,.
3. Power Subsystem.

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

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. CTN manual

EQUIP-3467 6.0 1095 B,R,M MTAOM, CTN, TIU, Radar L

Goal. Perform maintenance within the TAOC system.

Requirement. Given the references, appropriate tools, TMDE, MTAOM, CTN, and one sensor interface (TIU) in a system, isolate and repair one fault for each of the items below:

1. MTAOM
2. CTN
3. JRE
4. TIU
5. Document as required.

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

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

EQUIP-3468 2.0 * B MTAOM, CTN, CAC2S L

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

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

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

MTAOM
CTN
CAC2S

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

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

EQUIP-3469 2.0 * B MTAOM, CTN, CAC2S L

Goal. Verify system configuration of tactical data systems within the

TAOC.

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

1. Operations of the MTAOM .
2. Operation of the CAC2S.
3. Operations of the CTN.

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

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Applicable manufacturer's manuals (UPS, Ethernet Switch, Themis)
2. TO 31S5-2TYQ123-8-1 JRE Operations and Maintenance Instructions

8.11.7 MAINTENANCE MANAGEMENT (MMGT) STAGE

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

8.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MMGT-3660 2.0 * B L

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

Requirement. With the aid of references, ensure the timely performance of all corrective maintenance actions per the references by performing the following:

1. Verify the induction process is followed.
2. Ensure correctness of the service request and NAVMC 1018.
3. Determine availability of resources.
4. Ensure proper troubleshooting of faulty item.
5. Ensure repair parts are ordered.

6. Ensure faulty item is repaired.
7. Ensure safety measures are adhered to during repair process.
8. Ensure quality control procedures are followed.
9. Verify Modification Instruction (MI) and Technical Instruction (TI).
10. Verify proper closeout of service request.
11. Ensure equipment record is updated.

Performance Standard. With the aid of references, conduct each step of the requirement without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-3661 2.0 1095 B,R,M L

Goal. Validate SECRET assets.

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

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MMGT-3662 2.0 * B L

Goal. Assess maintenance funding requirements.

Requirement. With the aid of references and given equipment maintenance history, projected TEEP, and anticipated maintenance shortfalls, propose funding allocations for maintenance activities.

1. Identify and prioritize funding requirements.
2. Provide a maintenance funding request based on requirements and prior year utilization.
3. Provide an anticipated maintenance funding request based on the unit's TEEP.

Performance Standard. With the aid of reference, submit a budget request with justification to the Instructor for final approval without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.11.8 OPERATIONAL MANAGEMENT (OMGT) STAGE

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

8.11.8.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

OMGT-3710 1.0 1095 B,R,M L

Goal. Provide input to the operational plan.

Requirement. Given a simulation/operation and command guidance, provide input for the operation plan by performing the following:

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

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Operations Order
2. MCRP 5.11.1

OMGT-3711 2.0 * B L

Goal. Organize and assign crews for deployment.

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

1. Review an MSHARP report to determine individual Marine CMMR standing.
2. Assign maintenance personnel to crews dependent upon mission requirements. Factors include, but are not limited to:
 - Tactical licenses.
 - Active clearance.
 - Courier designations.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCWP 3-25.5
2. Unit TO

OMGT-3712 1.0 * B L

Goal. Verify communications with external agencies.

Requirement. With the aid of reference and an operational system, verify communications with external agencies by performing the following:

1. Analyze guard chart.
2. Confirm radio assignment based on NET priority.
3. Verify radio checks are conducted IAW NET priority.
4. Pass control of operational NETs to operations crew.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

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

Reference.

1. MCWP 3-25.5
2. ACEOI

OMGT-3713 8.0 1095 B,R,M MTAOM or CAC2S L

Goal. Deploy a communications system ISO operations.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.

7. Ensure maintenance crews are formed and prepared for deployment.
8. Emplace equipment IAW operational requirement/plan.
9. Integrate systems IAW the operational requirement/plan.
10. Verify communications as required.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

OMGT-3714 8.0 * B L

Goal. Deploy a maintenance capability.

Requirement. Given an operational requirement and commander's guidance, conduct the following:

1. Review operational requirements and develop an EDL.
2. Coordinate for support equipment as required.
3. Verify and complete Bill of Materials.
4. Establish float requirements as required.
5. Supervise pack-up of equipment and validate EDL accuracy.
6. Ensure correct execution of the load plan for equipment handling and safety.
7. Ensure maintenance crews are formed and prepared for deployment.

Performance Standard. With the aid of references, complete each step listed above without error. Minor errors corrected by the trainee are acceptable.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6_
2. Applicable TMs/UMs

OMGT-3715 8.0 * B L

Goal. Prepare system for embark.

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

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

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

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO 3120.6 (Standard Embarkation Management System)
2. TM 12041A/15050A-OD/2 CAC2S System User Manual

8.11.9 MARINE AIR CONTROL GROUP (MACG) STAGE

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

8.11.9.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

MACG-3750 1.0 1095 B,R,M L

Goal. Identify TACC Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3751 1.0 1095 B,R,M _____ L

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

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3752 1.0 1095 B,R,M _____ L

Goal. Identify DASC communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3753 1.0 1095 B,R,M L

Goal. Identify UAS Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3754 1.0 1095 B,R,M L

Goal. Identify LAAD Communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3755 1.0 1095 B,R,M L

Goal. Identify MATC communications information exchange requirements.

Requirement. Given the references, identify the following:

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

Performance Standard. Pass an exam with 80% accuracy.

Instructor. SI, WTI

Prerequisite. None.

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

MACG-3756 2.0 1095 B, R, M L

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

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

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

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

Instructor. SI, WTI

Prerequisite. 3750, 3751, 3752, 3753, 3754, 3755

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

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

8.12 CORE PLUS TRAINING (4000)

8.12.1 Purpose. **RESERVED FOR FUTURE USE**

8.12.2 General.

8.12.2.1 Prerequisiste.

8.12.2.2 Admin Notes.

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

8.13 INSTRUCTOR UNDER TRAINING (IUT) (5000)

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

8.13.2 General.

8.13.2.1 Prerequisiste. None

8.13.2.2 Admin Notes.

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

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

(1) Basic Instructor (BI)

(2) Senior Instructor (SI)

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

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

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

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

PAR NO.	STAGE NAME
8.13.3	INSTRUCTOR UNDER TRAINING (IUT)

8.13.3 INSTRUCTOR UNDER TRAINING (IUT) STAGE

8.13.3.1 Purpose. To train Aviation Communication System Technicians in the fundamentals of instructing and training processes.

8.13.3.2 General

Prerequisite. None

Admin Notes. None

Crew Requirements. None

T&R CODE	EVENT DESCRIPTION	INSTRUCTOR
5000	Introduce principles of instruction	BI

5010	Understand the structure of an event	BI
5020	Conduct a period of instruction on a core skill event	BI
5100	Understand the Aviation Training and Readiness (T&R) Program	SI
5110	Understand the applicable community T&R program	SI
5120	Understand T&R administration	SI
5130	Develop a training plan	SI

8.14 REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS (RCQD)
(6000)

8.14.1 Purpose. This phase provides community standardization for technician qualifications and designations; combat leaders and instructor designations; and tracking of collateral duties (CD) assignments,. This syllabus does not contain "one time" certification training requirements.

8.14.2 General.

8.14.2.1 Prerequisiste. None

8.14.2.2 Admin Notes.

(1) This section enables units to document and track combat leaders, instructors, technician and CD assignments. All syllabus training and administration requirements must be complete prior to being qualified or designated. A qualification or designation is not effective until all administration is completed.

(2) Only once an individual is qualified or designated in writing, the signed letter is filed in the IPR, and all administrative actions are completed, and the event code has been logged in M-SHARP shall the qualification or designation be effective.

8.14.2.3 Stages. The following stages are included in the Instructor Under Training Skill Phase of training.

PAR NO.	STAGE NAME
8.14.3	QUALIFICATION (QUAL)
8.14.4	CERTIFICATIONS (CERT)
8.14.5	DESIGNATION (DESG)
8.14.6	SCHOOL CODES (SCHL)

8.14.3 QUALIFICATIONS (QUAL) STAGE

8.14.3.1 Purpose. To provide for basic and advanced technician qualifications.

8.14.3.2 General

Prerequisite. Refer to the Core Skill and Mission Skill phases for qualification events.

Admin Notes. Policies and rules for attaining and maintaining qualifications are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

QUAL-6106 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Basic Technician (TDSBT).

Requirement. Complete required Tactical Data Systems Basic Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

QUAL-6107 0.5 * _____ L

Goal. Qualification as an Tactical Data Systems Advanced Technician (TDSAT).

Requirement. Complete required Tactical Data Systems Advanced Technician training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

8.14.4 CERTIFICATIONS (CERT) STAGE

8.14.4.1 Purpose. To provide for certifications of Information Assurance Work Force personnel. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a certification are current prior to approving that certification. If prerequisite R-coded events are delinquent, the individual shall update those events.

8.14.4.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining certification are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. NONE.

CERT-6200 8.0 * B _____ L

Goal. Certification as a COMPTIA A+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA 220-801 and COMPTIA 220-802. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6201 8.0 * B _____ L

Goal. Certification as a COMPTIA Network+ Technician.

Requirement. Complete the required industry certification exam, COMPTIA N10-008. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2259, 2260, 2261, 2262, 2263, 3282

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

CERT-6202 8.0 * B L

Goal. Certification as a COMPTIA Security+ Technician.

Requirement. Complete the required industry certification exams, COMPTIA SY0-301. Be recommended for certification by an SI or WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2264, 2265, 2266, 2267, 2268, 2269, 3283

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. DOD 8570._

8.14.5 DESIGNATIONS (DESG) STAGE

8.14.5.1 Purpose. To provide for designation of combat leaders and instructors. Designations are command specific and expire when an individual transfers out of a command. In order to ensure proficiency is maintained, specific events throughout this syllabus have been R-coded. The gaining command shall review the IPR to ensure prerequisite R-coded events for a designation are current prior to approving that designation. If prerequisite R-coded events are delinquent, the individual shall update those events.

8.14.5.2 General

Prerequisite. None

Admin Notes. Policies and rules for attaining and maintaining designations are detailed in the Aviation T&R Program Manual and this Manual.

Crew Requirements. None

DESG-6308 1.0 * L

Goal. Designation as a Tactical Data Systems Crew Chief (TDSCC).

Requirement. Complete required Tactical Data Systems Crew Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6309 1.0 * L

Goal. Designation as a Tactical Data Systems Maintenance Chief (TDSMC).

Requirement. Complete required Tactical Data Systems Maintenance Chief training POI. Be recommended for qualification by a WTI and approved in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit TO/E

DESG-6320 1.0 * L

Goal. Designation as a Basic Instructor (BI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14_

DESG-6321 1.0 * L

Goal. Designation as a Senior Instructor (SI).

Requirement. Be recommended for designation by a WTI and designated in writing by the commanding officer.

Performance Standard. N/A

Instructor. WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. NAVMC 3500.14

DESG-6340 1.0 * L

Goal. Designation as a Maintenance Safety NCO.

Requirement. Perform all duties associated with the Maintenance Safety NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6341 1.0 * L

Goal. Designation as a Maintenance HAZMAT NCO.

Requirement. Perform all duties associated with the Hazmat NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2235, 2236

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6342 1.0 * _____ L

Goal. Designation as a Maintenance Publications NCO.

Requirement. Perform all duties associated with the Publications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2234

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6343 1.0 * _____ L

Goal. Designation as a Maintenance Tools NCO.

Requirement. Perform all duties associated with the Tools NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2233

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6344 1.0 *

L

Goal. Designation as a Maintenance Calibrations NCO.

Requirement. Perform all duties associated with the Calibrations NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2231

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6345 1.0 *

L

Goal. Designation as a Maintenance Modifications NCO.

Requirement. Perform all duties associated with the Modifications NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2232, 2234

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6346 1.0 *

L

Goal. Designation as a Maintenance Embarkation NCO.

Requirement. Perform all duties associated with the Embarkation NCO IAW the reference for a period no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230, 2237

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6347 1.0 *

L

Goal. Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.

Requirement. Perform all duties associated with the Marine Corps Integrated Maintenance Management System (MIMMS) NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2159, 2230, 2602

Ordinance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

DESG-6348 1.0 *

L

Goal. Designation as a Maintenance Training NCO.

Requirement. Perform all duties associated with the Training NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2230

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. Unit SOP

DESG-6352 1.0 * _____ L

Goal. Designation as a Maintenance Quality Control (QC) NCO.

Requirement. Perform all duties associated with the Quality Control NCO IAW the reference for a period of no less than 90 days. Be recommended for designation by the SI or WTI and designated by Commanding Officer or Maintenance Officer.

Performance Standard. N/A

Instructor. SI, WTI

Prerequisite. 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028

Ordnance. None.

Range. None.

External Syllabus Support. None.

Reference.

1. MCO P4790.2_

8.14.6 SCHOOL CODES (SCHL) STAGE

8.14.6.1 Purpose. To provide tracking codes for schools that are pertinent to the training of the 5979 in the skill progression of the Marine.

8.14.6.2 General

Prerequisite. NONE.

Admin Notes. Policies and prerequisites for attending the listed schools are maintained within MCTIMS.

Crew Requirements. NONE.

T&R CODE	COURSE NAME	LOCATION	CID/CIN
SCHL-6013	System Administrator	Hurlburt Field, FL	F19L2U2
SCHL-6014	Network Administrator	Hurlburt Field, FL	F19L9W2
SCHL-6020	Link 16 Basics Course (JT-100)	Joint Knowledge Online (JKO)	
SCHL-6021	Intro to Multi TDL Network (JT-101)	Fort Bragg, NC	N/A
SCHL-6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	Fort Bragg, NC	A36L6Z1
SCHL-6023	Link 16 Joint Interoperability Course (US-109)	Joint Knowledge Online (JKO)	N/A
SCHL-6024	Multi TDL Planner Course (JT-201)	Fort Bragg, NC	A05KHY1
SCHL-6025	Link 16 Unit Manager (LUM) Course (JT-220)	Fort Bragg, NC	N/A
SCHL-6030	MATC Work Center Supervisors Course	NATTC, FL	N23KCM2
SCHL-6031	MATC Maintenance Managers Course	NATTC, FL	N23KCN2
SCHL-6073	Micro miniature Electronic Repair	C4I Elec. Trng Det, San Diego CA	N01A351
SCHL 6079	JRE-GW Operators' Course	Titan L3	N/A

8.15 MISSION ESSENTIAL TASK (MET) PHASE (7000)

8.15.1 Purpose. This phase takes CMMR proficient Marines from multiple PMOS, puts them in CMMR representative crews, and trains them as combat effective teams in combined events.

8.15.2 General

8.15.2.1 Prerequisite. Marines must either be CMMR crew position or non-aviation PMOS proficient to train in this phase. For those events requiring combat leaders, only Marines currently designated as such can train in this phase.

8.15.2.2 Admin Notes. Prerequisites for this phase of training cannot be waived. Multiple events can be trained at the same time as long as separate evaluations are being conducted.

8.15.2.3 Stages. The following stages are included in the Mission Essential Task (MET) Phase of training.

PAR NO.	STAGE NAME
8.15.3	CONDITION (COND)

8.15.3 CONDITION (COND) STAGE

8.15.3.1 Purpose. To train unit level teams in executing community specific MET(s) or MET preparatory events.

8.15.3.2 General

Prerequisite. If an event requires prerequisites in addition to those listed for the MET Phase, they will be covered in the individual event.

Admin Notes. All events in this stage will require the following administrative/operational documents to be identified or created:

1. Letter Of Intent (LOI)
2. Personnel Roster
3. Bill Of Material (BOM)
8. Equipment Density List (EDL)

Crew Requirements. This stage requires that all crew members and combat leaders be qualified/designated and proficient (current) in the position they are assigned for the following events. Crews shall be task organized to meet the mission.

COND-7500 50.0 365 B, R, M C2 System L/S

Goal. Employ a TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL), Commander's guidance, and an operation plan's initiating order, employ a TAOC to include the following:

1. Conduct Mission Analysis
2. Review Operational Planning Documents
3. Identify required support personnel
8. Identify equipment requirements
8. Conduct an RSOP
6. Identify, create, and finalize administrative documents supporting the operation
8. Coordinate with external agencies
8. Conduct embarkation, and retrograde of personnel and equipment
9. Maintain accountability of personnel
10. Conduct TAOC operations
11. Conduct crew evaluations
12. Compile After-Action items

Performance Standard. Perform the requirement items listed and conduct TAOC operations during a real world operation or training simulation.

Instructor. WTI

Prerequisite. Minimum of two CMMR TAOC Crews

Ordnance. None.

Range. Range space capable of hosting itinerant air traffic, combat air patrols, air-to-air refueling tracks, HVAA tracks

External Syllabus Support. TAOC Detachment Commander and representatives from the S-1, S-2, S-3, S-4, S-6. Live execution will require specific T/M/S aviation assets.

Reference.

1. U-TAOC-PCL-03862, TAOC Pocket Checklist
2. MCWP 3-28.7, TAOC Handbook
3. Squadron SOP

COND-7505 10.0 365 B, R, M L/S

Goal. Conduct a Reconnaissance, Selection, and Occupation of Position (RSOP) for the TAOC.

Requirement. Given the references, a Table of Equipment (T/E) and/or Equipment Density List (EDL) and an operation plan's initiating order, conduct a RSOP for TAOC operations to include the following:

1. Conduct a Map Survey selecting primary and alternate sites
2. Identify environmental concerns that may affect TAOC communication
3. Coordinate with higher to provide TAOC requirements
8. Coordinate site security, camouflage, dispersion, and trafficability
8. Identify locations for emplacement of communications and support equipment
6. Coordinate priorities for equipment emplacement
8. Identify echelon considerations
8. Identify Advanced Party/RSOP Team
9. Occupy the site
10. Emplace the TAOC

Performance Standard. Perform the requirement items. The RSOP team will be prepared to discuss decisions/actions.

Instructor. C3 WTI

Prerequisite. None.

Ordnance. None.

Range. None.

External Syllabus Support. TAOC Detachment Commander, TAOC Crew Chief, security team, Representatives from the S-2, S-4, S-6

Reference.

1. U-TAOC-PCL-03862 TAOC Pocket Checklist
2. MCWP 3-28.7, TAOC Handbook
3. Squadron SOP

8.16 AVIATION CAREER PROGRESSION MODEL (8000).

8.16.1 Purpose. To enhance professional understanding of Marine Aviation and the MAGTF, and to ensure individuals possess the requisite skills to fill battle command and battle staff positions in support of the ACE and the MAGTF in a joint environment. The focus of training in the Aviation Career Progression Model (ACPM) is on academic events in the following areas:

Marine Air Command and Control System (MACCS)
Aviation Ground Support

Joint Air Operations
ACE Battle Staff
MAGTF
Seabased Operations
Combatant Commander Organizations

8.16.2 General. The ACPM is intended to be an integrated series of academic events contained within each phase of training. Accordingly, ACPM academic events are like any other academic event in that they serve as pre-requisites to selected flight events or stages. Additionally, several ACPM academic events are integrated as prerequisites for flight leadership syllabi.

ACPM events may be conducted in group session with an assigned instructor teaching the period of instruction or they may be accomplished by self-paced instruction.

MAWTS-1 is responsible for the update and validity of the ACPM periods of instruction. In the future, courses may be consolidated or revised to meet changing requirements. Refer to the MAWTS-1 ACPM link for the current ACPM program of instruction:

<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/Aviation%20Career%20Progression%20Model/Forms/AllItems.aspx>

Completed events shall be manually logged and tracked in M-SHARP.

ACPM academic events, along with their identifying prerequisite association with other training phases/stages/events, are listed below.

STAGE	TRNG CODE	T&R DESCRIPTION		ACAD TIME	TO BE COMPLETED DURING
ACPM	8000	MACCS		1	2000 PHASE
ACPM	8001	MARINE AIR COMMAND AND CONTROL SYSTEM		4	2000 PHASE
ACPM	8002	TACTICAL AIR COMMAND CENTER (TACC)		4	2000 PHASE
ACPM	8003	DIRECT AIR SUPPORT CENTER (DASC)		4	2000 PHASE
ACPM	8004	TACTICAL AIR OPERATIONS CENTER (TAOC)		4	2000 PHASE
ACPM	8005	MARINE AIR TRAFFIC CONTROL (MATC)		4	2000 PHASE
ACPM	8006	LOW ALTITUDE AIR DEFENSE (LAAD)		4	2000 PHASE
ACPM	8007	Marine Unmanned Aerial Vehicle Squadron (VMU)		4	2000 PHASE
ACPM	8008	MARINE WING COMMUNICATION SQUADRON (MWCS)		4	2000 PHASE
ACPM	8020	ACE		1	2000 PHASE
ACPM	8021	AVIATION OPERATIONS		4	2000 PHASE
ACPM	8022	CONTROL OF AIRCRAFT AND MISSILES		4	2000 PHASE
ACPM	8023	OFFENSIVE AIR SUPPORT (OAS)		4	2000 PHASE
ACPM	8024	ASSAULT SUPPORT		4	2000 PHASE
ACPM	8025	AIR RECONNAISSANCE		4	2000 PHASE
ACPM	8026	ELECTRONIC WARFARE		4	2000 PHASE
ACPM	8027	ANTI-AIR WARFARE		4	2000 PHASE
ACPM	8028	AVIATION GROUND SUPPORT		4	2000 PHASE
ACPM	8040	THREAT		1	3000 PHASE
ACPM	8041	SURFACE TO AIR THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8042	FIXED WING THREAT TO THE MAGTF		4	3000 PHASE

ACPM	8043	ROTARY WING THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8044	MISSILE AND UAS THREAT TO THE MAGTF		4	3000 PHASE
ACPM	8060	MAGTF		1	3000 PHASE
ACPM	8061	GROUND COMBAT OPERATIONS		4	3000 PHASE
ACPM	8062	FIRE SUPPORT COORDINATION IN THE GCE		4	3000 PHASE
ACPM	8063	MAGTF COMMAND AND CONTROL		4	3000 PHASE
ACPM	8064	MAGTF COMMUNICATIONS		4	3000 PHASE
ACPM	8065	PHASING CONTROL ASHORE		4	3000 PHASE
ACPM	8066	INFORMATION MANAGEMENT		4	3000 PHASE
ACPM	8067	UAS SUPPORT OF THE MAGTF		4	3000 PHASE
ACPM	8080	JOINT AIR OPERATIONS		1	3000 PHASE
ACPM	8081	COMMAND AND CONTROL OF JOINT AIR OPERATIONS		4	3000 PHASE
ACPM	8082	THEATER AIR CROUND SYSTEM (TAGS)		4	3000 PHASE
ACPM	8083	JOINT FIRE SUPPORT		4	3000 PHASE
ACPM	8084	CLOSE AIR SUPPORT		4	3000 PHASE
ACPM	8085	JOINT TARGETING		4	3000 PHASE
ACPM	8086	NORTH ATLANTIC TREATY ORGANIZATION (NATO)		4	3000 PHASE
ACPM	8087	JOINT AIRSPACE CONTROL		4	3000 PHASE
ACPM	8088	COUNTERING AIR AND MISSILE THREATS		4	3000 PHASE
TOTAL ACPM STAGE			40	145	

8.17 T&R ATTAIN AND MAINTAIN TABLES

TAOC MAINTENANCE MOS 5979											
CORE/MISSION/CORE PLUS ATTAIN AND MAINTAIN MATRIX											
CORE SKILL (2000 Phase)											
T&R EVENT INFORMATION				BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
T&R DESCRIPTION	STAGE	CODE	REFLY	STAGE	CODE	STAGE	CODE	STAGE	CODE		
Conduct an SL-3 inventory.	CMN	2150	*	CMN	2150					-	-
Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	CMN	2151	*	CMN	2151					-	-
Submit a Product Quality Deficiency Report (PQDR).	CMN	2152	*	CMN	2152					-	-
Demonstrate an earth ground installation.	CMN	2153	*	CMN	2153					2173	-
Describe the characteristics of unit T/E generators.	CMN	2154	*	CMN	2154	CMN	2154			-	-
Describe T/E shelters.	CMN	2155	*	CMN	2155					-	-
Emlace shelter.	CMN	2156	*	CMN	2156					2155	-
Cable shelter for power.	CMN	2157	*	CMN	2157					2156	-

Demonstrate how to maintain a tool box.	CMN	2158	*	CMN	2158					2150, 2151	-
Initiate a service request.	CMN	2159	*	CMN	2159	CMN	2159			-	-
Utilize an oscilloscope.	TMDE	2171	*	TMDE	2171	TMDE	2171			2172	-
Demonstrate the use of a signal generator.	TMDE	2172	*	TMDE	2172	TMDE	2172			-	-
Utilize a Ground Tester.	TMDE	2173	*	TMDE	2173	TMDE	2173			-	-
Utilize a multimeter.	TMDE	2175	*	TMDE	2175	TMDE	2175			-	-
Utilize a wattmeter.	TMDE	2177	*	TMDE	2177	TMDE	2177			-	-
Utilize an Optical Time Domain Reflectometer (OTDR).	TMDE	2178	*	TMDE	2178	TMDE	2178			-	-
Describe proper handling and storage of classified materials.	COMSEC	2190	365	COMSEC	2190	COMSEC	2190	COMSEC	2190	-	-
State the physical security requirements for classified areas.	COMSEC	2191	365	COMSEC	2191	COMSEC	2191	COMSEC	2191	-	-
Create a classified area physical security diagram.	COMSEC	2192	365	COMSEC	2192	COMSEC	2192	COMSEC	2192	2191	-
Conduct classified material inventory.	COMSEC	2193	365	COMSEC	2193	COMSEC	2193	COMSEC	2193	2190	-
Extract key material information from EKMS COMSEC callout.	COMSEC	2194	*	COMSEC	2194	COMSEC	2194			2190	-
Utilize a Common Fill Device.	COMSEC	2195	365	COMSEC	2195	COMSEC	2195	COMSEC	2195	2190	-
Ensure CMCC handling procedures are followed.	COMSEC	2196	*	COMSEC	2196					2190	-
Ensure EKMS material handling procedures are followed.	COMSEC	2197	*	COMSEC	2197					2190	-
Ensure CCI material handling procedures are followed.	COMSEC	2198	*	COMSEC	2198					2190	-
Ensure physical security of classified areas.	COMSEC	2199	365	COMSEC	2199	COMSEC	2199	COMSEC	2199	2191, 2192	-
Describe HF, VHF, UHF, SATCOM radio characteristics.	FAM	2210	*	FAM	2210					-	-
State the purpose of Automated Data Processing Equipment (ADPE).	FAM	2211	*	FAM	2211					-	-
Describe the CAC2S.	FAM	2212	*	FAM	2212					-	-
Identify the Intelligence Operations Workstation (IOW).	FAM	2216	*	FAM	2216					-	-
Describe T/E radios.	FAM	2217	*	FAM	2217					-	-
Describe C2 Applications.	FAM	2218	*	FAM	2218					-	-

Familiarization with LRR equipment.	FAM	2219	*	FAM	2219					-	-
Familiarization with MRR equipment.	FAM	2220	*	FAM	2220					-	-
Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	FAM	2221	*	FAM	2221					-	-
Describe TACLAN.	FAM	2222	*	FAM	2222					-	-
State the maintenance Collateral Duties (CD).	CD	2230	*	CD	2230	CD	2230			-	-
Identify the Maintenance Calibrations Program.	CD	2231	*	CD	2231					2230	-
Identify the Maintenance Modifications Program.	CD	2232	*	CD	2232					2230	-
Manage the Tool Control Program.	CD	2233	*	CD	2233					2230	-
Identify the Maintenance Publications Library.	CD	2234	*	CD	2234					2230	-
Identify major Maintenance Safety Program elements.	CD	2235	*	CD	2235					2230	-
State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	CD	2236	*	CD	2236					2230	-
Identify the key elements of the Maintenance Embarkation Program.	CD	2237	*	CD	2237					2230	-
Identify the equipment record jacket.	CD	2238	*	CD	2238					2230	-
Perform Quality Control Procedures.	CD	2242	1460	CD	2242	CD	2242	CD	2242	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006,	-

										8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	
Identify the Maintenance Training program.	CD	2243	*	CD	2243					2230	-
Explain PC hardware.	IWFAT	2250	*	IWFAT	2250					-	-
Explain networking concepts.	IWFAT	2251	*	IWFAT	2251					-	-
Explain laptop features and characteristics.	IWFAT	2252	*	IWFAT	2252					-	-
Explain printer features and characteristics.	IWFAT	2253	*	IWFAT	2253					-	-
Explain operational procedures.	IWFAT	2254	*	IWFAT	2254					-	-
Explain operating systems.	IWFAT	2255	*	IWFAT	2255					-	-
Explain security.	IWFAT	2256	*	IWFAT	2256					-	-
Explain Mobile Devices.	IWFAT	2257	*	IWFAT	2257					-	-
Explain Troubleshooting.	IWFAT	2258	*	IWFAT	2258					-	-
Explain Networking Concepts.	IWFNT	2259	*	IWFNT	2259					-	-
Explain Network Installation and Configuration.	IWFNT	2260	*	IWFNT	2260					-	-
Explain Network Media and Topologies.	IWFNT	2261	*	IWFNT	2261					-	-
Explain Network Management.	IWFNT	2262	*	IWFNT	2262					-	-
Explain Network Security.	IWFNT	2263	*	IWFNT	2263					-	-
Explain Network Security.	IWFST	2264	*	IWFST	2264					-	-
Explain Operational Security.	IWFST	2265	*	IWFST	2265					-	-
Explain threats and vulnerabilities.	IWFST	2266	*	IWFST	2266					-	-
Explain cryptography.	IWFST	2267	*	IWFST	2267					-	-
Explain access control and identity management.	IWFST	2268	*	IWFST	2268					-	-
Explain application, data and host security.	IWFST	2269	*	IWFST	2269					-	-

Build a data base for the TAOM or MTAOM.	CONFIG	2300	*	CONFIG	2300	CONFIG	2300				-	-
Verify voice communications are operational.	CONFIG	2301	*	CONFIG	2301						-	-
Restore system software for MTAOM, CTN, and JRE.	CONFIG	2302	*	CONFIG	2302	CONFIG	2302				-	-
Perform data recovery management on a TDS system.	CONFIG	2303	*	CONFIG	2303	CONFIG	2303				-	-
Perform logfile management on a TDS system.	CONFIG	2304	*	CONFIG	2304	CONFIG	2304				-	-
Perform account management on a TDS system.	CONFIG	2305	*	CONFIG	2305	CONFIG	2305				-	-
Apply Software release updates for TDS system.	CONFIG	2306	*	CONFIG	2306	CONFIG	2306				-	-
Update firmware within TDS systems.	CONFIG	2307	*	CONFIG	2307	CONFIG	2307				-	-
Configure TDS network equipment.	CONFIG	2308	*	CONFIG	2308	CONFIG	2308				-	-
Configure TDS circuit cards.	CONFIG	2309	*	CONFIG	2309	CONFIG	2309				-	-
State the purpose of Interface Coordination.	DLC	2320	*	DLC	2320						-	-
Know the types and purpose of data filters.	DLC	2321	*	DLC	2321						-	-
State the characteristics of and terms associated with Link 11.	DLC	2322	*	DLC	2322						-	-
State the characteristics of and terms associated with Link 11B.	DLC	2323	*	DLC	2323						-	-
State the characteristics of Link 16.	DLC	2324	*	DLC	2324						-	-
State the characteristics of Joint Range Extension Application Protocol (JREAP).	DLC	2325	*	DLC	2325						-	-
Operate Link 11.	DLC	2326	730	DLC	2326	DLC	2326	DLC	2326		-	-
Operate Link 11B.	DLC	2327	730	DLC	2327	DLC	2327	DLC	2327		-	-
Operate Link 16.	DLC	2328	730	DLC	2328	DLC	2328	DLC	2328		-	-
Configure the Joint Range Extension-Gateway (JRE-GW).	DLC	2329	730	DLC	2329	DLC	2329	DLC	2329		-	-
Operate JREAP A.	DLC	2330	730	DLC	2330	DLC	2330	DLC	2330		-	-
Operate JREAP B.	DLC	2331	730	DLC	2331	DLC	2331	DLC	2331		-	-
Operate JREAP C.	DLC	2332	730	DLC	2332	DLC	2332	DLC	2332		-	-
Troubleshoot Link 11.	DLC	2333	*	DLC	2333						-	-
Troubleshoot Link 11B.	DLC	2334	*	DLC	2334						-	-

Troubleshoot Link 16.	DLC	2335	*	DLC	2335						-	-
Troubleshoot JREAP A.	DLC	2336	*	DLC	2336						-	-
Troubleshoot JREAP B.	DLC	2337	*	DLC	2337						-	-
Troubleshoot JREAP C.	DLC	2338	*	DLC	2338						-	-
Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2380	*	EQUIP	2380						-	-
Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	EQUIP	2381	*	EQUIP	2381						-	-
Set-up the Mobile Tactical Air Operations Module (MTAOM).	EQUIP	2424	*	EQUIP	2424						-	-
Tear down the Mobile Tactical Air Operations Module (MTAOM).	EQUIP	2425	*	EQUIP	2425						-	-
Set-up the Composite Tracking Network (CTN).	EQUIP	2426	730	EQUIP	2426	EQUIP	2426	EQUIP	2426		-	-
Tear-down the Composite Tracking Network (CTN).	EQUIP	2427	730	EQUIP	2427	EQUIP	2427	EQUIP	2427		-	-
Ensure preparatory measures are taken for disposition of equipment.	MMGT	2600	*	MMGT	2600					2150		-
Create a Preventive Maintenance Checks and Services (PMCS) schedule.	MMGT	2601	*	MMGT	2601					2151		-
Reconcile Global Combat Supply System (GCSS) reports.	MMGT	2602	*	MMGT	2602	MMGT	2602			2159		-
Identify the SECREP management process.	MMGT	2603	*	MMGT	2603						-	-
Define RA with regards to O&M funds.	MMGT	2604	*	MMGT	2604						-	-
Define PE with regards to O&M funds.	MMGT	2605	*	MMGT	2605						-	-
Induct new equipment into service.	MMGT	2606	*	MMGT	2606					2150, 2159, 2231, 2238		-
Phase out equipment.	MMGT	2607	*	MMGT	2607					2150		-
Inspect maintenance functional areas.	MMGT	2608	*	MMGT	2608	MMGT	2608			2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238		-

State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	MMGT	2609	*	MMGT	2609						-	-
Identify the Marine Corps Urgent Needs Process (MCUNP).	MMGT	2610	*	MMGT	2610						-	-
Conduct a Consolidated Memorandum Receipt (CMR) Review.	MMGT	2611	*	MMGT	2611						-	-
Verify inventory control procedures are implemented.	MMGT	2612	*	MMGT	2612					2150, 2159		-
Identify the functions of maintenance management.	MMGT	2613	*	MMGT	2613					2602, 2603, 2609, 2611		-
Ensure equipment is inducted into maintenance cycle.	MMGT	2614	*	MMGT	2614					2159		-
Identify the purpose of communication planning documents.	OMGT	2680	*	OMGT	2680						-	-
Determine required equipment to support a mission.	OMGT	2681	365	OMGT	2681	OMGT	2681	OMGT	2681		-	-
Conduct communications portion of a site survey.	OMGT	2682	1460	OMGT	2682	OMGT	2682	OMGT	2682		-	-
Identify crew requirements and write a crew schedule.	OMGT	2683	*	OMGT	2683						-	-
Determine supply support requirements.	OMGT	2684	*	OMGT	2684					2691		-
Develop an embarkation plan.	OMGT	2685	*	OMGT	2685					2687		-
Write a packing list.	OMGT	2686	1460	OMGT	2686	OMGT	2686	OMGT	2686		-	-
Write an Equipment Density List (EDL).	OMGT	2687	*	OMGT	2687						-	-
Identify power requirements.	OMGT	2688	365	OMGT	2688	OMGT	2688	OMGT	2688		-	-
Identify spectrum management procedures.	OMGT	2689	*	OMGT	2689						-	-
Fill out a Logistics Support Request (LSR).	OMGT	2690	*	OMGT	2690						-	-
Submit a Bill of Material (BOM) request.	OMGT	2691	*	OMGT	2691						-	-
Describe common agency doctrinal nets.	OMGT	2692	*	OMGT	2692						-	-
Identify communication service request procedures.	OMGT	2693	*	OMGT	2693						-	-
Draw a site diagram for the TAOC.	OMGT	2694	*	OMGT	2694	OMGT	2694				-	-

MISSION SKILL (3000 Phase)

T&R EVENT INFORMATION	BASIC POI		REFLY	BASIC POI		REFRESHER POI		MAINTAIN PROFICIENCY		PREREQS	CHAINING
	STAGE	CODE		STAGE	CODE	STAGE	CODE	STAGE	CODE		
Explain concepts included in A+ exam 220-801.	IAWFAT	3280	1095	IAWFAT	3280	IAWFAT	3280	IAWFAT	3280	2250, 2251, 2252, 2253, 2254	-
Explain concepts included in A+ exam 220-802.	IAWFAT	3281	1095	IAWFAT	3281	IAWFAT	3281	IAWFAT	3281	2255, 2256, 2257, 2258	-
Explain concepts included in Network+ exam N10-005.	IAWFNT	3282	1095	IAWFNT	3282	IAWFNT	3282	IAWFNT	3282	2259, 2260, 2261, 2262, 2263	-
Explain concepts included in Security + exam SY0-301.	IAWFST	3283	1095	IAWFST	3283	IAWFST	3283	IAWFST	3283	2264, 2265, 2266, 2267, 2268, 2269	-
Perform maintenance within the MTAOM.	EQUIP	3465	*	EQUIP	3465					-	-
Perform maintenance within the CTN.	EQUIP	3466	*	EQUIP	3466					-	-
Perform maintenance within the TAOC system.	EQUIP	3467	*	EQUIP	3467	EQUIP	3467			-	-
Review system troubleshooting on the TDS equipment within the TAOC.	EQUIP	3468	*	EQUIP	3468					-	-
Verify system configuration of tactical data systems within the TAOC.	EQUIP	3469	*	EQUIP	3469					-	-
Ensure the corrective maintenance repair process is being conducted.	MMGT	3660	*	MMGT	3660					-	-
Validate SECREP assets.	MMGT	3661	1095	MMGT	3661	MMGT	3661	MMGT	3661	-	-
Assess maintenance funding requirements.	MMGT	3662	*	MMGT	3662					-	-
Provide input to the operational plan.	OMGT	3710	1095	OMGT	3710	OMGT	3710	OMGT	3710	-	-
Organize and assign crews for deployment.	OMGT	3711	*	OMGT	3711					-	-
Verify communications with external agencies.	OMGT	3712	*	OMGT	3712					-	-
Deploy a communications system ISO operations.	OMGT	3713	1095	OMGT	3713	OMGT	3713	OMGT	3713	-	-
Deploy a maintenance capability.	OMGT	3714	*	OMGT	3714					-	-
Prepare system for embark.	OMGT	3715	*	OMGT	3715					-	-
Identify TACC Communications information exchange requirements.	MACG	3750	1095	MACG	3750	MACG	3750	MACG	3750	-	-

Identify TAOC and EW/C communications information exchange requirements.	MACG	3751	1095	MACG	3751	MACG	3751	MACG	3751	-	-
Identify DASC communications information exchange requirements.	MACG	3752	1095	MACG	3752	MACG	3752	MACG	3752	-	-
Identify UAS Communications information exchange requirements.	MACG	3753	1095	MACG	3753	MACG	3753	MACG	3753	-	-
Identify LAAD Communications information exchange requirements.	MACG	3754	1095	MACG	3754	MACG	3754	MACG	3754	-	-
Identify MATC communications information exchange requirements.	MACG	3755	1095	MACG	3755	MACG	3755	MACG	3755	-	-
Draw a Communications Diagram for the agencies within the MACG.	MACG	3756	1095	MACG	3756	MACG	3756	MACG	3756	3750, 3751, 3752, 3753, 3754, 3755	-

8.18 T&R SYLLABUS MATRIX

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CORE SKILL INTRODUCTION TRAINING (1000 PHASE EVENTS)																			
AIR SCHOOLS (AIRS)																			
AIRS	1110	Perform corrective maintenance on the Mobile Tactical Air Operations Module (MTAOM).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1111	Perform operator/crew maintenance on the Composite Tracking Network (CTN).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1112	Perform corrective maintenance on Tactical Cable Assemblies.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1113	Perform Mobile Tactical Air Operations Module (MTAOM) operations.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1114	Configure the AN/MSQ-143 Composite Tracking Network (CTN) for Operation.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1115	Perform basic Network Administration.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1116	Perform basic UNIX Administration.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1117	Perform corrective maintenance on the TAOM Interface Unit (TIU).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1118	Configure the TAOM Interface Unit (TIU) for operations.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1119	Describe the Tactical Air Operations Center (TAOC) C2 Equipment.	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
AIRS	1121	Describe the Marine Air Control Squadron (MACS).	B	E	G	-	-	D	*		0		0		0.0	-	-	-	
TOTAL AIR SCHOOLS (AIRS) SKILL STAGE										11	0	0	0	0	0.0				
TOTAL CORE SKILL INTRODUCTION PHASE TRAINING (1000 PHASE)										11	0	0	0	0	0.0				
MACCS MAINTENANCE COMMON (CMN)																			

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CMN	2150	Conduct an SL-3 inventory.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2151	Identify the purpose of Preventive Maintenance Checks and Services (PMCS).	B	-	L	-	-	-	*	0	0	0	0	1.5	-	-	-		
CMN	2152	Submit a Product Quality Deficiency Report (PQDR).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2153	Demonstrate an earth ground installation.	B	-	L	-	-	-	*	0	0	0	0	3.0	2173	-	-	-	
CMN	2154	Describe the characteristics of unit T/E generators.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
CMN	2155	Describe T/E shelters.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
CMN	2156	Emplace shelter.	B	-	L	-	-	-	*	0	0	0	0	2.0	2155	-	-	-	
CMN	2157	Cable shelter for power.	B	-	L	-	-	-	*	0	0	0	0	2.0	2156	-	-	-	
CMN	2158	Demonstrate how to maintain a tool box.	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151	-	-	-	
CMN	2159	Initiate a service request.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE										0	0	0	0	10	4.0				
TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE)																			
TMDE	2171	Utilize an oscilloscope.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2172	-	-	-	
TMDE	2172	Demonstrate the use of a signal generator.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
TMDE	2173	Utilize a Ground Tester.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-		
TMDE	2175	Utilize a multimeter.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TMDE	2177	Utilize a wattmeter.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TMDE	2178	Utilize an Optical Time Domain Reflectometer (OTDR).	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-		
TOTAL TEST MEASUREMENT/DIAGNOSTIC EQUIPMENT (TMDE) STAGE										0	0	0	0	6	8.0				
COMMUNICATION SECURITY (COMSEC)																			
COMSEC	2190	Describe proper handling and storage of classified materials.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-		
COMSEC	2191	State the physical security requirements for classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-		
COMSEC	2192	Create a classified area physical security diagram.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
COMSEC	2193	Conduct classified material inventory.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2194	Extract key material information from EKMS COMSEC callout.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2195	Utilize a Common Fill Device.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2196	Ensure CMCC handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2197	Ensure EKMS material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	2.0	2190	-	-	-	
COMSEC	2198	Ensure CCI material handling procedures are followed.	B	-	L	-	-	-	*	0	0	0	0	1.0	2190	-	-	-	
COMSEC	2199	Ensure physical security of classified areas.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	2191, 2192	-	-	-	
TOTAL COMMUNICATION SECURITY (COMSEC) STAGE										0	0	0	0	10	19.0				
FAMILIARIZATION (FAM)																			
FAM	2210	Describe HF, VHF, UHF, SATCOM radio characteristics.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2211	State the purpose of Automated Data Processing Equipment (ADPE).	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-	-	
FAM	2212	Describe the CAC2S.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2216	Identify the Intelligence Operations Workstation (IOW).	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
FAM	2217	Describe T/E radios.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2218	Describe C2 Applications.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2219	Familiarization with LRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2220	Familiarization with MRR equipment.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2221	Describe the Identification Friend or Foe (IFF) MK XII interrogator system.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
FAM	2222	Describe TACLAN.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
	TOTAL FAMILIARIZATION (FAM) STAGE																		
COLLATERAL DUTY (CD)																			
CD	2230	State the maintenance Collateral Duties (CD).	B, R	-	L	-	-	-	*	0	0	0	0	10	15.0	-	-	-	
CD	2231	Identify the Maintenance Calibrations Program.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	
CD	2232	Identify the Maintenance Modifications Program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
CD	2233	Manage the Tool Control Program.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
CD	2234	Identify the Maintenance Publications Library.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
CD	2235	Identify major Maintenance Safety Program elements.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
CD	2236	State the purpose of the Material Safety Data Sheet (MSDS) and the MSDS compliance center.	B	-	L	-	-	-	*	0	0	0	0	2.0	2230	-	-	-	
CD	2237	Identify the key elements of the Maintenance Embarkation Program.	B	-	L	-	-	-	*	0	0	0	0	3.0	2230	-	-	-	
CD	2238	Identify the equipment record jacket.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
CD	2242	Perform Quality Control Procedures.	B, R, M	-	L	-	-	-	1460					2.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
CD	2243	Identify the Maintenance Training program.	B	-	L	-	-	-	*					2.0	2230	-	-	-	
TOTAL COLLATERAL DUTY (CD) STAGE										0	0	0	0	11	0.0				
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT)																			
IAWFAT	2250	Explain PC hardware.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2251	Explain networking concepts.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2252	Explain laptop features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2253	Explain printer features and characteristics.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2254	Explain operational procedures.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2255	Explain operating systems.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	
IAWFAT	2256	Explain security.	B	E	L	-	-	-	*		0		0		4.0	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
IAWFAT	2257	Explain Mobile Devices.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFAT	2258	Explain Troubleshooting.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFA) STAGE										0	0	0	0	9	36.0				
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT)																			
IAWFNT	2259	Explain Networking Concepts.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2260	Explain Network Installation and Configuration.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2261	Explain Network Media and Topologies.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2262	Explain Network Management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFNT	2263	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	5	20.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST)																			
IAWFST	2264	Explain Network Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2265	Explain Operational Security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2266	Explain threats and vulnerabilities.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2267	Explain cryptography.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2268	Explain access control and identity management.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
IAWFST	2269	Explain application, data and host security.	B	E	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	6	24.0				
CONFIGURATION (CONFIG)																			
CONFIG	2300	Build a data base for the TAOM or MTAOM.	B, R	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
CONFIG	2301	Verify voice communications are operational.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	-
CONFIG	2302	Restore system software for MTAOM, CTN, and JRE.	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	-
CONFIG	2303	Perform data recovery management on a TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-
CONFIG	2304	Perform logfile management on a TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
CONFIG	2305	Perform account management on a TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
CONFIG	2306	Apply Software release updates for TDS system.	B, R	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-	-	
CONFIG	2307	Update firmware within TDS systems.	B, R	-	L	-	-	-	*	0	0	0	0	6.0	-	-	-	-	
CONFIG	2308	Configure TDS network equipment.	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
CONFIG	2309	Configure TDS circuit cards.	B, R	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
TOTAL CONFIGURATION (CONFIG) STAGE										0	0.0	0	0.0	10	48.0				
DATA LINK COORDINATOR (DLC)																			
DLC	2320	State the purpose of Interface Coordination.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2321	Know the types and purpose of data filters.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2322	State the characteristics of and terms associated with Link 11.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2323	State the characteristics of and terms associated with Link 11B.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2324	State the characteristics of Link 16.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2325	State the characteristics of Joint Range Extension Application Protocol (JREAP).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
DLC	2326	Operate Link 11.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	
DLC	2327	Operate Link 11B.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	
DLC	2328	Operate Link 16.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	
DLC	2329	Configure the Joint Range Extension-Gateway (JRE-GW).	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	
DLC	2330	Operate JREAP A.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DLC	2331	Operate JREAP B.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-		
DLC	2332	Operate JREAP C.	B, R, M	-	L	-	-	-	730	0	0	0	0	2.0	-	-	-		
DLC	2333	Troubleshoot Link 11.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2334	Troubleshoot Link 11B.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2335	Troubleshoot Link 16.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2336	Troubleshoot JREAP A.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2337	Troubleshoot JREAP B.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
DLC	2338	Troubleshoot JREAP C.	B	-	L	-	-	-	*	0	0	0	0	3.0	-	-	-		
TOTAL DATA LINK COORDINATOR (DLC) STAGE										0	0	0	0	19	38.0				
EQUIPMENT (EQUIP)																			
EQUIP	2380	Conduct Maintenance on the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-		
EQUIP	2381	Identify the major components of the AN/USQ-140(V)2 Multifunctional Information Distribution System (MIDS).	B	-	L	-	-	-	*	0	0	0	0	4.0	-	-	-		
EQUIP	2424	Set-up the Mobile Tactical Air Operations Module (MTAOM).	B	-	L	-	-	-	*	0	0	0	0	6.0	-	-	-		
EQUIP	2425	Tear down the Mobile Tactical Air Operations Module (MTAOM).	B	-	L	-	-	-	*	0	0	0	0	6.0	-	-	-		
EQUIP	2426	Set-up the Composite Tracking Network (CTN).	B, R, M	-	L	-	-	-	730	0	0	0	0	6.0	-	-	-		
EQUIP	2427	Tear-down the Composite Tracking Network (CTN).	B, R, M	-	L	-	-	-	730	0	0	0	0	6.0	-	-	-		
TOTAL EQUIPMENT (EQUIP) STAGE										0	0.0	0	0.0	6	32.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	2600	Ensure preparatory measures are taken for disposition of equipment.	B	-	L	-	-	-	*	0	0	0	0	3.0	2150	-	-	-	
MMGT	2601	Create a Preventive Maintenance Checks and	B	-	L	-	-	-	*	0	0	0	0	1.0	2151	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																				
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV	
										#	TIME	#	TIME	#	TIME					
	CODE	TITLE			TYPE	#	OPTION													
		Services (PMCS) schedule.																		
MMGT	2602	Reconcile Global Combat Supply System (GCSS) reports.	B, R	-	L	-	-	-	*		0		0		4.0	2159	-	-	-	
MMGT	2603	Identify the SECREP management process.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2604	Define RA with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2605	Define PE with regards to O&M funds.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2606	Induct new equipment into service.	B	-	L	-	-	-	*		0		0		2.0	2150, 2159, 2231, 2238	-	-	-	
MMGT	2607	Phase out equipment.	B	-	L	-	-	-	*		0		0		2.0	2150	-	-	-	
MMGT	2608	Inspect maintenance functional areas.	B, R	-	L	-	-	-	*		0		0		16.0	2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238	-	-	-	
MMGT	2609	State the process to submit a Table of organization and equipment (TO&E) Change Request (TOECR).	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2610	Identify the Marine Corps Urgent Needs Process (MCUNP).	B	-	L	-	-	-	*		0		0		2.0	-	-	-		
MMGT	2611	Conduct a Consolidated Memorandum Receipt (CMR) Review.	B	-	L	-	-	-	*		0		0		40.0	-	-	-		
MMGT	2612	Verify inventory control procedures are implemented.	B	-	L	-	-	-	*		0		0		1.5	2150, 2159	-	-	-	
MMGT	2613	Identify the functions of maintenance management.	B	-	L	-	-	-	*		0		0		13.0	2602, 2603, 2609, 2611	-	-	-	
MMGT	2614	Ensure equipment is inducted into maintenance cycle.	B	-	L	-	-	-	*		0		0		1.0	2159	-	-	-	
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	15	93.5					
OPERATIONAL MANAGEMENT (OMGT)																				
OMGT	2680	Identify the purpose of communication planning documents.	B	-	L	-	-	-	*		0		0		2.0	-	-	-		

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
OMGT	2681	Determine required equipment to support a mission.	B, R, M	-	L	-	-	-	365	0	0	0	0	2.0	-	-	-	-	
OMGT	2682	Conduct communications portion of a site survey.	B, R, M	-	L	-	-	-	1460	0	0	0	0	4.0	-	-	-	-	
OMGT	2683	Identify crew requirements and write a crew schedule.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2684	Determine supply support requirements.	B	-	L	-	-	-	*	0	0	0	0	3.0	2691	-	-	-	
OMGT	2685	Develop an embarkation plan.	B	-	L	-	-	-	*	0	0	0	0	1.0	2687	-	-	-	
OMGT	2686	Write a packing list.	B, R, M	-	L	-	-	-	1460	0	0	0	0	8.0	-	-	-	-	
OMGT	2687	Write an Equipment Density List (EDL).	B	-	L	-	-	-	*	0	0	0	0	8.0	-	-	-	-	
OMGT	2688	Identify power requirements.	B, R, M	-	L	-	-	-	365	0	0	0	0	4.0	-	-	-	-	
OMGT	2689	Identify spectrum management procedures.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2690	Fill out a Logistics Support Request (LSR).	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2691	Submit a Bill of Material (BOM) request.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2692	Describe common agency doctrinal nets.	B	-	L	-	-	-	*	0	0	0	0	1.0	-	-	-	-	
OMGT	2693	Identify communication service request procedures.	B	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
OMGT	2694	Draw a site diagram for the TAOC.	B, R	-	L	-	-	-	*	0	0	0	0	2.0	-	-	-	-	
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	15	43.0				
TOTAL CORE SKILL PHASE (2000 PHASE)										0	0.0	0	0.0	92	241.0				
MISSION SKILL TRAINING (3000 PHASE EVENTS)																			
INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE																			
IAWFAT	3280	Explain concepts included in A+ exam 220-801.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2250, 2251, 2252, 2253, 2254	-	-	-	
IAWFAT	3281	Explain concepts included in A+ exam 220-802.	B,R,M	E	L	-	-	-	1095	0	0	0	0	4.0	2255, 2256, 2257, 2258	-	-	-	
TOTAL INFORMATION ASSURANCE WORK FORCE A+(IAWFAT) STAGE										0	0	0	0	2	8.0				

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION												
INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE																			
IAWFNT	3282	Explain concepts included in Network+ exam N10-005.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2259, 2260, 2261, 2262, 2263	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE NETWORK+(IAWFNT) STAGE										0	0	0	0	1	4.0				
INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE																			
IAWFST	3283	Explain concepts included in Security + exam SY0-301.	B,R,M	E	L	-	-	-	1095		0		0		4.0	2264, 2265, 2266, 2267, 2268, 2269	-	-	-
TOTAL INFORMATION ASSURANCE WORK FORCE SECURITY+(IAWFST) STAGE										0	0	0	0	1	4.0				
EQUIPMENT (EQUIP)																			
EQUIP	3465	Perform maintenance within the MTAOM.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
EQUIP	3466	Perform maintenance within the CTN.	B	-	L	-	-	-	*		0		0		6.0	-	-	-	-
EQUIP	3467	Perform maintenance within the TAOC system.	B,R,M	-	L	-	-	-	1095		0		0		6.0	-	-	-	-
EQUIP	3468	Review system troubleshooting on the TDS equipment within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
EQUIP	3469	Verify system configuration of tactical data systems within the TAOC.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL EQUIPMENT (EQUIP) STAGE										0	0	0	0	5	22.0				
MAINTENANCE MANAGEMENT (MMGT)																			
MMGT	3660	Ensure the corrective maintenance repair process is being conducted.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
MMGT	3661	Validate SECREP assets.	B,R,M	-	L	-	-	-	1095		0		0		2.0	-	-	-	-
MMGT	3662	Assess maintenance funding requirements.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
TOTAL MAINTENANCE MANAGEMENT (MMGT) STAGE										0	0	0	0	3	6.0				
OPERATIONAL MANAGEMENT (OMGT)																			
OMGT	3710	Provide input to the operational plan.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
OMGT	3711	Organize and assign crews for deployment.	B	-	L	-	-	-	*		0		0		2.0	-	-	-	-
OMGT	3712	Verify communications with external agencies.	B	-	L	-	-	-	*		0		0		1.0	-	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
OMGT	3713	Deploy a communications system ISO operations.	B,R,M	-	L	-	-	-	1095		0		0		8.0	-	-	-	-
OMGT	3714	Deploy a maintenance capability.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
OMGT	3715	Prepare system for embark.	B	-	L	-	-	-	*		0		0		8.0	-	-	-	-
TOTAL OPERATIONAL MANAGEMENT (OMGT) STAGE										0	0	0	0	6	28.0				
MARINE AIR CONTROL GROUP (MACG)																			
MACG	3750	Identify TACC Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3751	Identify TAOC and EW/C communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3752	Identify DASC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3753	Identify UAS Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3754	Identify LAAD Communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3755	Identify MATC communications information exchange requirements.	B,R,M	-	L	-	-	-	1095		0		0		1.0	-	-	-	-
MACG	3756	Draw a Communications Diagram for the agencies within the MACG.	B, R, M	-	L	-	-	-	1095		0		0		2.0	3750, 3751, 3752, 3753, 3754, 3755	-	-	-
TOTAL MARINE AIR CONTROL GROUP (MACG) STAGE										0	0	0	0	7	8.0				
TOTAL MISSION SKILL PHASE (3000 PHASE)										0	0.0	0	0.0	25	80.0				
TOTAL MISSION PLUS SKILL PHASE (4000 PHASE)										0	0.0	0	0.0	0	0.0				
TOTAL 2000, 3000, AND 4000 PHASE										0	0.0	0	0.0	117	321.0				
INSTRUCTOR TRAINING (5000 PHASE EVENTS)																			
INSTRUCTOR UNDER TRAINING (IUT)																			
BASIC INSTRUCTOR (BI)																			
IUT	5000	Introduce principles of instruction	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
IUT	5010	Understand the structure of an event	B	-	G	-	-	D	*		0		0		1.0	Recommended by SI or WTI	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
										#	TIME	#	TIME	#	TIME				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
IUT	5020	Conduct a period of instruction on a T&R event	B	-	G	-	-	D	*		0		0		2.0	Recommended by SI or WTI	-	-	-
TOTAL BASIC INSTRUCTOR SKILLS STAGE (BI)										0	0	0	0	3	5.0				
SENIOR INSTRUCTOR (SI)																			
IUT	5100	Understand Aviation T&R program	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5110	Understand Applicable Community T&R	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5120	Understand T&R Administration	B	-	G	-	-	D	*		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
IUT	5130	Develop a training plan	B,R,M	-	G	-	-	D	365		0		0		2.0	5000, 5010, 5020, 6320	-	-	-
TOTAL SENIOR INSTRUCTOR SKILLS STAGE (SI)										0	0	0	0	4	8.0				
TOTAL INSTRUCTOR UNDER TRAINING SKILLS PHASE (IUT)										0	0	0	0	7	13.0				
REQUIREMENTS, QUALIFICATIONS, CERTIFICATIONS, AND DESIGNATIONS (RQCD) (6000 PHASE)																			
QUALIFICATIONS (QUAL)																			
QUAL	6106	Qualification as an Tactical Data Systems Basic Technician (TDSBT).	B	-	L	-	-	-	*		0		0		0.5	2150, 2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
QUAL	6107	Qualification as an Tactical Data Systems Advanced Technician (TDSAT).	B	-	L	-	-	-	*	0		0		0.5		2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL QUALIFICATIONS STAGE (QUAL)										0	0	0	0	2	1.0				
CERTIFICATION (CERT)																			
CERT	6200	Certification as a COMPTIA A+ Technician.	B	-	L	-	-	-	*	0		0		4	2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 3280, 3281	-	3280, 3281	-	
CERT	6201	Certification as a COMPTIA Network+ Technician.	B	-	L	-	-	-	*	0		0		4	2259, 2260, 2261, 2262, 2263, 3282	-	3282	-	
CERT	6202	Certification as a COMPTIA Security+ Technician.	B	-	L	-	-	-	*	0		0		4	2264, 2265, 2266, 2267, 2268, 2269, 3283	-	3283	-	
TOTAL CERTIFICATION STAGE (CERT)										0	0	0	0	3	12.0				
DESIGNATIONS (DESG)																			

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6308	Designation as a Tactical Data Systems Crew Chief (TDSCC).	B	-	L	-	-	*		0		0		1.0	2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2601, 2602, 2603, 2606, 2607, 2612, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3710, 3711, 3712, 3713, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX														PREREQ	NOTES	CHAIN	EVENT CONV					
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ ACADEMIC EVENTS		SIM EVENTS						LIVE EVENTS				
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME					#	TIME			
DESG	6309	Designation as a Tactical Data Systems Maintenance Chief (TDSMC).	B	-	L	-	-	-	*	0	0	1.0										
													2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2425, 2426, 2427, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 3465, 3466, 3467, 3468, 3469, 3660, 3661, 3662, 3710, 3711, 3712, 3713, 3714, 3715, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028, 8040, 8041, 8042, 8043, 8044									

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6320	Designation as a Basic Instructor (BI).	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2195, 2230, 2300, 2301, 2320, 2322, 2323, 2324, 2325, 2381, 2424, 2425, 2426, 2427, 2692, 3465, 3466, 3712, 3715, 5000, 5010, 5020, 6106, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008	-	-	-	
DESG	6321	Designation as a Senior Instructor (SI).	B	-	L	-	-	-	*	0	0	0	0	1.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 5000, 5010, 5020, 5100, 5110, 5120, 5130, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-	
DESG	6340	Designation as a Maintenance Safety NCO.	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	
DESG	6341	Designation as a	B	-	L	-	-	-	*	0	0	0	0	1.0	2230, 2235, 2236	-	-	-	

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV/
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		Maintenance HAZMAT NCO.																	
DESG	6342	Designation as a Maintenance Publications NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2234	-	-	-
DESG	6343	Designation as a Maintenance Tools NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2233	-	-	-
DESG	6344	Designation as a Maintenance Calibrations NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2231	-	-	-
DESG	6345	Designation as a Maintenance Modifications NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2232, 2234	-	-	-
DESG	6346	Designation as a Maintenance Embarkation NCO.	B	-	L	-	-	-	*		0		0		1.0	2230, 2237	-	-	-
DESG	6347	Designation as a Marine Corps Integrated Maintenance Management System (MIMMS) NCO.	B	-	L	-	-	-	*		0		0		1.0	2159, 2230, 2602	-	-	-
DESG	6348	Designation as a Maintenance Training NCO.	B	-	L	-	-	-	*		0		0		1.0	2230	-	-	-

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
DESG	6352	Designation as a Maintenance Quality Control (QC) NCO.	B	-	L	-	-	-	*	0	0	0	0	14	14.0	2150, 2151, 2153, 2155, 2156, 2157, 2158, 2159, 2171, 2172, 2173, 2175, 2177, 2178, 2190, 2191, 2193, 2194, 2195, 2210, 2211, 2212, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2242, 2243, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2380, 2381, 2424, 2425, 2426, 2427, 2606, 2614, 2687, 2688, 2690, 2692, 3465, 3466, 3467, 3660, 3712, 3715, 6107, 8000, 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8008, 8020, 8021, 8022, 8023, 8024, 8025, 8026, 8027, 8028	-	-	-
TOTAL DESIGNATIONS (DESG) STAGE										0	0	0	0	14	14.0				
SCHOOL CODES (SCHL)																			
SCHL	6013	Systems Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6014	Network Administrator	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6020	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6021	Intro to Multi TDL Network (JT-101)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6022	Multi-TDL Advanced Joint Interoperability Course (MAJIC) (JT-102)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6023	Link 16 Joint Interoperability Course (US-109)	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		
SCHL	6024	Multi TDL Planner Course	B	-	G	-	-	L	*	0	0	0	0	0.0	-	-	-		

TAOC MOS 5979 T&R SYLLABUS MATRIX																			
STAGE	EVENT		POI	E	DEVICE			COND	REFLY	GROUND/ACADEMIC EVENTS		SIM EVENTS		LIVE EVENTS		PREREQ	NOTES	CHAIN	EVENT CONV/
	CODE	TITLE			TYPE	#	OPTION			#	TIME	#	TIME	#	TIME				
		(JT-201)																	
SCHL	6025	Link 16 Unit Manager (LUM) Course (JT-220)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6026	Link 16 Basics Course (JT-100)	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6030	MATC Work Center Supervisors Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6031	MATC Maintenance Managers Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6073	Micro miniature Electronic Repair	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
SCHL	6079	JRE-GW Operators' Course	B	-	G	-	-	L	*		0		0		0.0	-	-	-	
TOTAL SCHOOL CODES STAGE (SCHL)										13	0	0	0	0	0.0				
TOTAL REQUIREMENTS, CERTIFICATIONS, QUALIFICATIONS, AND DESIGNATIONS SKILLS PHASE (RCQD)										13	0.0	0	0.0	19	27.0				

8.19 ADDITIONAL MATRICES. None

8.20 ADDITIONAL CHAINING FOR 5000 AND 6000 PHASE EVENTS. None

8.21 AVIATION TRAINING FORMS (ATF). A syllabus evaluation form is required for any initial or subsequent event training. The MACCS Training Form (MTF) is located in the C3 Course Catalog and available online at the MAWTS-1 C-3 website,
<https://vcepub.tecom.usmc.mil/sites/msc/magtftc/mawts1/departments1/newc3/default.aspx>

8.22 TRAINING DEVICE EVENT ESSENTIAL SUBSYSTEMS MATRIX (EESM). None