

CHAPTER 2

EXPEDITIONARY AIRFIELD (EAF) TECHNICIAN

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CHAPTER 2

EXPEDITIONARY AIRFIELD (EAF) TECHNICIAN

200. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) Program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and formed the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills that enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

4. Diversity of assignment is paramount to the career development of the Expeditionary Airfield Technician, MOS 7011. Expeditionary Airfield Technicians may serve within the Marine Aircraft Wing at either the Marine Wing Support Squadron, Marine Wing Support Group, or the Marine Aircraft Wing Headquarters. They may also serve as part of the Airfield Operations Department of a Marine Corps Air Station. As the Marine Corps expands its expeditionary capability and projection from the sea, the Expeditionary Airfield Technician, regardless of unit, will encounter different applications of the same basic skills. To learn the appropriate techniques for each job assignment and to understand the interrelationship between assignments however, requires rotation of Expeditionary Airfield Technicians through the various positions described in this T&R manual. Chapter 3 identifies the training requirements for the Marines assigned to Support Squadrons, Support Groups, and Marine Aircraft Wing Headquarters. Relations through the various job assignments within either unit is needed to fully develop the understanding and ability of the Expeditionary Airfield Technician, so that they are well prepared to lead junior Marines in any and all of the functional areas. The multiple training progression models contained in this chapter apply to all Marines of the 7011 MOS. Although periodic evaluation need only to be performed in the functional area to which a Marine is currently assigned, leaders are encouraged to introduce their Expeditionary Airfield Technician to the tasks required in other functional areas.

201. CORE COMPETENCIES/SKILLS

1. Core competency serves as the foundation of the T&R program. Core competencies are those core capabilities and skills which support the Mission Essential Tasks (METL) derived from FMFM 5-1 and T/O mission statements, which are realistically expected to be assigned in combat.

2. Mission. To provide all Expeditionary Airfield (EAF) support requirements to a designated rotary or fixed-wing component of an ACE and all supporting or attached elements of the Marine Air Control Group (MACG).

3. Mission Essential Goal List

- Plan for EAF services.
- Install, operate, and maintain MCEAG support.
- Install and maintain AM2 matting and accessories.
- Install, operate, and maintain Airfield Lighting and Marking.
- Install, operate, and maintain visual landing aids.

4. Core Capability. A core capable EAF will provide the Marine Air Ground Task Forces (MAGTF) with a flexible capability to rapidly deploy and establish survivable, self-sustaining airfields in support of the Aviation Combat Element (ACE) for employment in an expeditionary operation.

202. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS. Tables 2-1 thru 2-4 depict a listing of the MOS 7011 Combat Capable, Combat Ready, Combat Qualification and Full Combat Qualification stages of training and associated page numbers.

NOTE: *Level 100 specific training events/instruction will be conducted at the Expeditionary Airfield Services School, Pensacola, Florida as outlined by the school's most current approved POI.*

Table 2-1.--Expeditionary Airfield Technician Combat Capable Training List.

EVENT	GOAL	PAGE
T&E-100	Identify EAF tools, equipment and their purpose.	2-14
T&E-101	Operate EAF power tools and equipment.	2-15
T&E-102	Maintain EAF tools and equipment.	2-15
T&E-103	Employ tools and equipment during AM-2 matting installation.	2-15
T&E-104	Conduct toolbox inventory.	2-16
MMGT-105	Identify and explain the purpose and routing of VIDS/MAF.	2-16
MMGT-106	Identify EAF organizational structure by drawing a flow chart.	2-17
COMM-107	Identify all components of an AN/PRC-139 EAF communication system.	2-17
COMM-108	Assemble and operate an AN/PRC-139 EAF communication system.	2-17
COMM-109	Demonstrate hand and arm signals used for EAF operations with 100% accuracy.	2-18

EVENT	GOAL	PAGE
MPF-110	Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.	2-18
AM2-111	Identify AM-2 matting and accessories and explain their functions.	2-18
AM2-112	Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.	2-19
AM2-113	Identify the various AM-2 matting aircraft operating surfaces.	2-19
AM2-114	State the three patterns of AM-2 mat lay.	2-19
AFLM-115	Identify and explain the function of EAF lighting components.	2-20
AFLM-116	Install EAF lighting components.	2-20
FLOLS-117	Set up a Fresnel Lens Optical Landing System (FLOLS).	2-21
FLOLS-118	Perform FLOLS pre-operational inspection.	2-21
MCEAG-119	Identify the major components of the M-21 arresting gear system and explain their functions.	2-21
MCEAG-120	Install Marine Corps Expeditionary Arresting Gear (MCEAG).	2-22
MCEAG-121	Operate MCEAG.	2-22
MCEAG-122	Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.	2-23
MCEAG-123	Perform each position of MCEAG operations.	2-23
MCEAG-124	Perform MCEAG pre-operational inspection.	2-23
MCEAG-125	Perform MCEAG post operational inspection.	2-24
E28-126	Identify the major components of the E-28 arresting gear system and explain their functions.	2-24
E28-127	Operate E-28 arresting gear.	2-25
E28-128	Perform Organizational level maintenance on the E-28 arresting gear system.	2-25

Table 2-2.--Expeditionary Airfield Technician Combat Ready Training List.

EVENT	GOAL	PAGE
MMGT-200	Complete a VIDS/MAF form.	2-26
MMGT-201	Perform the duties of Technical Publication Librarian (TPL).	2-26
COMM-202	Program six frequencies into the AN/PRC-139(C).	2-26
COMM-203	Perform proper recharge procedures for AN/PRC-139(C).	2-27
COMM-204	Demonstrate proper care and accountability of the AN/PRC-139(C).	2-27
MPF-205	Load EAF packages on a flatrack for shipment on MPS.	2-27
AM2-206	Install AM-2 matting and accessories.	2-28

EVENT	GOAL	PAGE
AM2-207	Perform a maintenance inspection on an AM-2 matting installation.	2-28
AM2-208	Remove and repackage AM-2 matting and accessories.	2-29
AFLM-209	Install EAF lighting components.	2-29
FLOLS-210	Perform scheduled FLOLS inspections.	2-30
MCEAG-211	Install the MCEAG.	2-30
MCEAG-212	Operate the MCEAG.	2-31
MCEAG-213	Maintain the MCEAG.	2-31
MCEAG-214	Inspect and prepare MCEAG packages for shipment.	2-31
MCEAG-215	Perform each position of MCEAG operations.	2-32
MCEAG-216	Perform MCEAG pre-operational inspection.	2-32
MCEAG-217	Perform MCEAG post-operational inspection.	2-33

Table 2-3.--Expeditionary Airfield Technician Combat Qualification Training List.

EVENT	GOAL	PAGE
MMGT-300	Perform the duties of the work center supervisor.	2-34
MMGT-301	Identify fiscal requirements to support the EAF program.	2-34
MMGT-302	Prepare EAF portion of AOM.	2-35
MPF-303	Explain in detail EAF assets available aboard Maritime Pre-positioning Squadrons.	2-35
AM2-304	Design an EAF.	2-35
AM2-305	Supervise site survey for an AM-2 matting installation.	2-36
AM2-306	Supervise AM-2 matting installation and accessories.	2-36
AM2-307	Supervise the removal and repackaging of AM-2 matting and accessories.	2-37
AM2-308	Supervise a maintenance inspection on a AM-2 matting installation.	2-37
AM2-309	Plan and supervise installation of aircraft revetments.	2-37
AM2-310	Coordinate logistical support for installation and maintenance of AM-2 matting.	2-38
FLOLS-311	Supervise scheduled FLOLS inspections.	2-38
FLOLS-312	Coordinate logistical support for FLOLS installation, operation, and maintenance.	2-38
AFLM-313	Supervise EAF lighting components installation.	2-39
AFLM-314	Coordinate logistical support for airfield lighting installation, operation, and maintenance.	2-39

EVENT	GOAL	PAGE
MCEAG-315	Supervise MCEAG installation.	2-40
MCEAG-316	Supervise MCEAG operations.	2-40
MCEAG-317	Supervise MCEAG maintenance.	2-40
MCEAG-318	Inspect and prepare MCEAG packages for shipment.	2-41
MCEAG-319	Perform duties of the runway crew leader.	2-41
MCEAG-320	Supervise MCEAG scheduled inspections.	2-41
MCEAG-321	Coordinate logistical support for MCEAG arresting gear installation, operation and maintenance.	2-42
MCEAG-322	Install and test an LEA.	2-42
OPS-323	Coordinate personnel and equipment requirements in support of current operational plans.	2-43
OPS-324	Manage EAF assets distribution and accountability.	2-43
SLRP-325	Participate as a member of a SLRP, conduct a site survey of an airfield, and determine EAF requirements.	2-44
TRNG-326	Evaluate and monitor training of EAF personnel.	2-44
CERTAM2-327	Perform expeditionary certification on AM2 matting.	2-44
CERTAG-328	Perform expeditionary certification on MCEAG.	2-45
CERTLM-329	Perform expeditionary certification on EAF Lighting and Marking.	2-45
BRIEF-330	Prepare and present briefing on EAF capabilities.	2-45
COMM-331	Identify communications requirements.	2-46
PLNG-332	Plan for installation of aircraft revetments.	2-46
HPTU-333	Install a High Power Turn-up.	2-47
HPTU-334	Supervise the installation of a High Power Turn-up.	2-47

Table 2-4.--Expeditionary Airfield Technician Full Combat Qualification Training List.

EVENT	GOAL	PAGE
JTOPS-400	Participate in Joint Operations planning.	2-48
BRAAT-401	Participate in Base Recovery After Attack (BRAAT) planning.	2-48
HPTU-402	Perform expeditionary certification on High Power Turn-up installation.	2-48

203. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors, which all commanders must address, include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

204. EXPEDITIONARY AIRFIELD TECHNICIAN TRAINING PROGRESSION PHILOSOPHY. EAF Technician training begins at the Expeditionary Airfield Equipment M1 School and continues in the Operating Forces, Station units, and additional schools. EAF Technicians will complete the Combat Ready, Combat Qualification and Full Combat Qualification portions of the training syllabus during assignment to Operating Forces and Stations EAF/Recovery units.

205. EXPEDITIONARY AIRFIELD TECHNICIAN TRAINING PROGRESSION MODEL

1. The Training Progression Model for the EAF Technician, MOS 7011 is depicted in figure 2-1.
2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.
3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.
4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.
5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.
6. The Full Combat Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather those for which a certain number of trained individuals or crews must be maintained in order to accomplish special missions or tasks.
7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.
8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

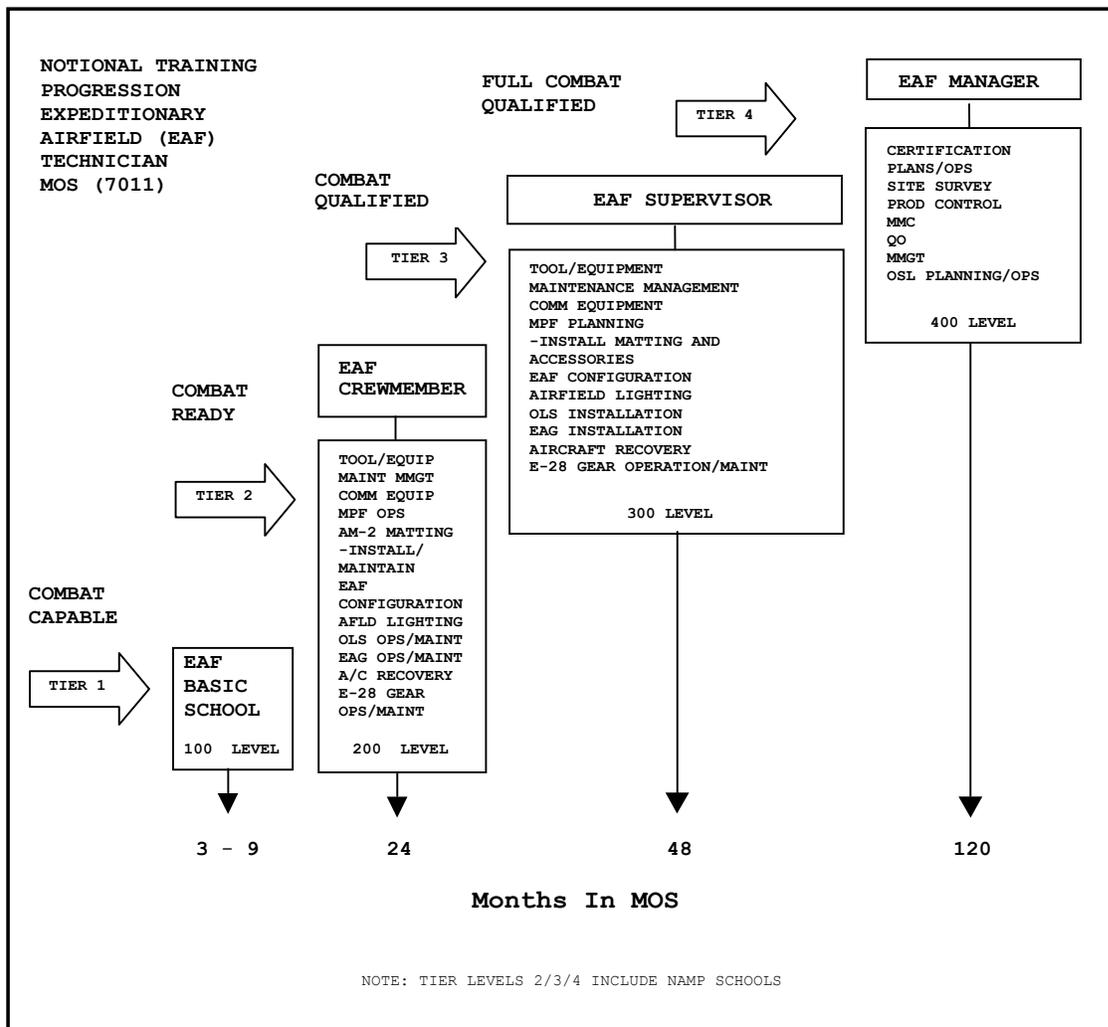


Figure 2-1.--EAF Technician Training Progression Model.

210. TRAINING REFERENCES. Table 2-5 lists the EAF Technician's, MOS 7011 training references that shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation.

Table 2-5.--EAF Technician Training References.

TRAINING REFERENCE	TITLE
Air Task (NAVAIR form 3930/1)	REQUIRED DOCUMENTS TO SUPPORT THE EAF PROGRAM
A/E32C-45	MRC'S ON EAF LIGHTING
A5-120AA-WUC-800	REFERENCE FOR COMPLETING A VIDS/MAF
COMNAVAIRPAC / LANT Tool Control Order	TOOL CONTROL DIRECTIVE
DDR 06-IS-0012	PACKAGING MATPAC CONCEPT
DDR 06-IS-0048	LANDING MAT ACCESSORY: THE UNIVERSAL CLAMP
DDR 06-IS-0050	EAF SAFETY ANALYSIS FOR THE ISO FLAT RACK CONTAINER
DDR 06-IS-0058	PLASTIC BINS FOR USE IN THE MATPAC CONCEPT
DDR 51-2084	AM2 MATTING & ACCESSORY REQUIREMENTS

TRAINING REFERENCE	TITLE
DDR 91-1201 (D)	INSTRUCTION FOR RRR KIT
E-28 AIRCRAFT RECOVERY BULLETIN 46-12L	EMERGENCY RECOVERY OF AIRCRAFT WITH E-28 GEAR
LOCAL MRCs	LOCAL MAINTENANCE REQUIREMENTS (CARD) ON EAF EQUIPMENT
LOCAL SOP	LOCAL STANDING OPERATIONAL PROCEDURES DICTATE DAILY OPERATIONS
M-21 AIRCRAFT RECOVERY BULLETIN 45-12	TAPE AND DECK PENDANT REPLACEMENT CRITERIA
M-21 AIRCRAFT RECOVERY BULLETIN 45-12K	RECOVERY OF AIRCRAFT WITH M-21 ARRESTING GEAR
M-21 AIRCRAFT RECOVERY BULLETIN 80-12H	MK-8 MOD 0 FLOLS EQUIPPED WITH ROLL ANGLE DRIVE ASSEMBLY
MCO 3500.14	AVIATION TRAINING & READINESS MANUAL, ADMINISTRATIVE VOLUME 1
MCO 3500.67	AVIATION TRAINING & READINESS MANUAL, AES (INTERIM)
MRC/MIP: 4922/RF8-34	MRC'S FOR FLOLS SETUP
MRC/MIP: 4922/RF8-60	MRC'S FOR SCHEDULED FLOLS INSPECTIONS
MRC/MIP: 5861/R28-44	MRC'S FOR E28 OPERATIONS
MRC/MIP: 5861/R35-56	MRC'S FOR INSTALLATION OF "MCEAG"
MRC/MIP: 5861/R35-71	MRC'S FOR MAINTAINING "MCEAG"
MRC/MIP: 5861/R36-67	MRC'S FOR M21 RETRIEVE ENGINE
MRC/MIP: 5861/R36-10	MRC'S FOR MAINTENANCE REQUIRED CARD/MAINTENANCE INDEX PAGE FOR RETRIEVE ENGINE
NA 17-1-108	TORQUE TOOLS; USE, CARE, AND TESTING
NAEC-ENG-7390	SCHEDULED FLOLS INSPECTION FORM
NAVAIR 00-80T-115	US MARINE CORPS EXPEDITIONARY AIRFIELDS NATOPS MANUAL
NAVAIR 00-25-100	NAVAL AIR SYSTEMS COMMAND TECHNICAL MANUAL
NAVAIR 51-5-31	E-28 EMERGENCY ARRESTING GEAR
NAVAIR 51-5-35	EXPEDITIONARY AIRFIELD MECHANICAL WORKSHOP VAN
NAVAIR 51-5EAA-2	M-21 EXPEDITIONARY ARRESTING GEAR
NAVAIR 51-5FAA-1	M-31 MARINE CORPS EXPEDITIONARY ARRESTING GEAR SYSTEM
NAVAIR 51-FAA-2	M-31 PERIODIC MAINTENANCE REQUIREMENTS
NAVAIR 51-5FAA-3	M-31 PREOPERATIONAL CHECKLIST
NAVAIR 51-40ABA-7	EXPEDITIONARY AIRFIELD LIGHTING
NAVAIR 51-40ABA-7.1	REGULATOR ASSEMBLY, CONSTANT CURRENT, 4 & 15 KW
NAVAIR 51-40ABA-14	FRESNEL LENS OPTICAL LANDING SYSTEM
NAVAIR 51-50ABA-16	MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAVAIR 51-50ABA-16-1	MANUAL FOR PERIODIC MAINTENANCE OF THE MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAVAIR 51-50ABA-16-2	MOSLS PREOPERATIONAL CHECKLIST
NAVAIR 51-60A-1	AM2 AIRFIELD MAT AND ACCESSORIES
NAVAIRINST 4444.10	SUBMISSION OF EXPEDITIONARY AIRFIELD ASSETS REPORT
NAVAIRINST 13800.12B	CERTIFICATION OF EXPEDITIONARY AIRFIELD AM2 MAT, AIRCRAFT RECOVERY EQUIPMENT AND VISUAL LANDING AIDS
NAVFAC P80-3	AIRFIELD PAVEMENT REPAIRS
NAVICP 00-35T-37-4	TABLE OF BASIC ALLOWANCES
NAVMC-2907	MARITIME PREPOSITIONING FORCE (MPF)
NAVSEA OP 5 (VOL-3)	AMMUNITIONS AND EXPLOSIVES ASHORE
NAVSEA OP 3565	ELECTROMAGNETIC RADIATION HAZARDS (HAZARDS TO ORDNANCE)
NAWCADLKE-MISC 48J200-0001	GENERIC INFORMATION FOR AN/PRC-139 (C) COMMUNICATION EQUIPMENT USED IN THE EAF COMMUNITY
NAWCADLKE-MISC 48J200-0003	EXPEDITIONARY AIRFIELD CONFIGURATION

TRAINING REFERENCE	TITLE
NAWCADLKE-MISC 48J200-0010	EXPEDITIONARY AIRFIELD DESIGN REQUIREMENTS EAF 2000
NAWCADLKE-MISC 48J200-0011	EXPEDITIONARY AIRFIELD AM2 MAT
NAWCADLKE-MISC 48J200-0012	EXPEDITIONARY AIRFIELD LIGHTING AND MARKING SYSTEMS
NAWCADLKE-MISC 48J200-0013	EXPEDITIONARY AIRFIELD M-21 AIRCRAFT RECOVERY SYSTEM
NAWCADLKE-MISC 48J200-0018	C-17 GLOBEMASTER 111 COMPATIBILITY W/ EAF
NAWCADLKE-MISC 48J200-0020	INSTALLATION, INSPECTION, OPERATION AND MAINTENANCE FOR EXPEDITIONARY AIRFIELD FIELD MARKER LIGHTS
NAWCADLKE-MISC 48J200-0021	EXPEDITIONARY AIRFIELD SUBGRADE PREPARATION
NAWCADLKE-MISC 48J200-0024	EXPEDITIONARY AIRFIELD ASSETS ABOARD MPF SHIPS
NAWCADLKE-DDR 48J200-0027	EXPEDITIONARY AIRFIELD /MV-22 COMPATIBILITY
NAWCADLKE-MISC 48J200-0029	EXPEDITIONARY AIRFIELD AM2 MAT FIELD INSPECTION AND REPAIR PROCEDURES
NAWCADLKE-MISC 48J200-0028	EXPEDITIONARY AIRFIELD CAPABILITIES ABOARD MARITIME PREPOSITIONING FORCE SHIPS
NAWCADLKE-MISC 48J200-0048	USERS GUIDE FOR THE MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAWCADLKE-MISC 48J200-0053	FLAT RACK LOADING PROCEDURES FOR EAF EQUIPMENT.
NAWCADLKE-MISC 48J200-0063	INSTALLATION, MAINTENANCE, CERTIFICATION, AND RE-PACKING INSTRUCTIONS FOR THE L123 EXPEDITIONARY AIRFIELD LIGHTING PACKAGE
OPNAV 4790.2 Series	NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)
SLRP	SURVEILLANCE LIASON RECONNAISSANCE PARTY
T.O. 31R2-2PRC139-1	OPERATION AND MAINTENANCE INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN

230. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the EAF Technician syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified EAF Technician.

a. Live Training. Training event condition codes listed as **L** (live), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as **S** (simulator), **L/S** (live preferred/simulator optional), and **S/L** (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training

where applicable as indicated in the condition code.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion.

Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus, which are academic in nature, will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Administrative, and the standardized evaluation forms located in the appendix to this syllabus.

231. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <u>SAM-XXX</u>	2/ <u>0.5</u>	3/ <u>T,C,R</u>	4/ <u>E</u>	5/ <u>EQUIP</u>	6/ <u>L/S (NS)</u>
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Goal: The expeditionary airfield technician of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge's, i.e., Engage a rotary winged aircraft.

Requirement: The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

Performance Standard: The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement, which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

Prerequisite: Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

Reference: Listing of doctrinal or reference publications, which, may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

Ordnance: A listing of Ordnance types and quantities required to satisfy the task.

External Syllabus Support: A listing or description of the external support requirement(s) which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

1/ Events are coded per Appendix B of Aviation T&R Manual, Administrative, MCO P3500.14.

2/ Projected Event Duration is furnished as a planning tool.

3/ Denotes the applicable Program of Instruction (Basic POI is understood). POI Codes: **T** = transition; **C** = conversion; **R** = refresher; **Z** = reserve.

4/ An "**E**" indicates an Evaluated event.

5/ The equipment or activity sub-category is listed.

6/ Condition Code: **L** = live training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; Where contained within () denotes optional conditions.

232. COMBAT CAPABLE TRAINING

1. Purpose. Level 100 specific training events / instruction will be conducted at the Expeditionary Airfield Equipment School, Pensacola, as outlined by the school's most current approved POI.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (29 Events, 150.0 Hours)

1. Tools and Equipment

T&E-100 1.5 E L

Goal. Identify EAF tools, equipment and their purpose.

Requirement. Without the aid of reference, and given the tools and equipment contained in the F-70, F-58 and L-95 student handout packages.

Performance Standard. Per the references listed below and at **100%** accuracy.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAVAIR 51-5-35

Ordinance. None.

External Syllabus Support. None.

T&E-101 3.0 E L

Goal. Operate EAF power tools and equipment.

Requirement. Under supervision and given the shop's local SOP, operate the following tools:

- Earth auger
- Jackhammer
- K-12 saw
- Air/Pneumatic drill and crimper
- Paving breaker
- Load locker

Performance Standard. Per the reference listed below and established procedure.

Prerequisite. None.

Reference

- Local SOP
- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

T&E-102 2.0 E L

Goal. Maintain EAF tools and equipment.

Requirement. As an EAF Crewmember, and with the aid of references.

Performance Standard. Per the reference listed below and with **100%** accuracy.

Prerequisite. None.

Reference

- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

T&E-103 8.0 L

Goal. Employ tools and equipment during AM-2 matting installation.

MMGT-106 1.0 E L

Goal. Identify EAF organizational structure by drawing a flow chart.

Requirement. Without the aid of references.

Performance Standard. Per the reference listed below and with a 100% accuracy.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

4. Communications

COMM-107 4.0 E L

Goal. Identify all components of a AN/PRC-139 EAF communication system.

Requirement. Without the aid of references and given an AN/PRC-139 EAF communication system.

Performance Standard. Per the reference listed below and with **100%** accuracy.

Prerequisite. None.

Reference

- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-108 4.0 E L

Goal. Assemble and operate AN/PRC-139 EAF communication system.

Requirement. Without the aid of references and given a AN/PRC-139 EAF communication system.

Performance Standard. Per the reference listed below and with **100%** accuracy.

Prerequisite. None.

Reference

- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-109 1.0 E L

Goal. Demonstrate hand and arm signals used for EAF operations with **100%** accuracy.

Requirement. Without the aid of references.

Performance Standard. Per the reference listed below, local SOP and with **100%** accuracy.

Prerequisite. None.

Reference

- NAVAIR 00-80T-115

Ordinance. None.

External Syllabus Support. None.

5. Maritime Pre-positioning Force

MPF-110 1.0 E L

Goal. Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.

Requirement. Explain, without the aid of references.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAWCADLKE-MISC 48J200-0028

Ordinance. None.

External Syllabus Sponsor. None.

6. Airfield Surfacing (AM-2 MATTING)

AM2-111 1.0 E L

Goal. Identify AM-2 matting and accessories and explain their function.

Requirement. Without the aid of references and given the following AM-2 matting and accessories:

- (a) AM-2 Matting.
- (b) Key lock.
- (c) Anchoring devices.
- (d) Connectors.
- (e) Hold back anchor.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

AM2-112

8.0 E L

Goal. Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.

Requirement. With the aid of references and as an EAF crewmember given the necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAVMC 2907
- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

AM2-113

1.0 E L

Goal. Identify the various AM-2 matting and aircraft operating surfaces.

Requirement. Without the aid or references, and given airfield diagrams.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAEC 51-8120
- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

AM2-114

0.5 L

Goal. State the three patterns of AM-2 mat lay.

Requirement. Given the references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordnance. None.

External Syllabus Support. None.

7. Airfield Lighting and Marking

AFLM-115 1.0 E L

Goal. Identify and explain the function of EAF lighting components.

Requirement. Without the aid of references, and given the following EAF lighting components:

- (a) Runway lights.
- (b) Taxiway lights.
- (c) Approach lights.
- (d) Obstruction lights.
- (e) Rotation lights.
- (f) Threshold lights.
- (g) Rotating beacon.
- (h) Circling guidance lights.
- (i) Field marker lights.
- (j) Minimum Operating Strip Lighting System (MOSLS).
- (k) Centerline/Flush deck lights.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-7
- NAVAIR 51-50ABA-15
- NAVMC 2907
- NAWCADLKE-MISC-48J200-0012
- OPNAV 4790.2 Series

Ordnance. None.

External Syllabus Support. None.

AFLM-116 30.0 E L

Goal. Install EAF lighting components.

Requirement. With the aid of references and as an EAF lighting Crewmember, given the necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-50ABA-16
- NAVAIR 51-40ABA-7
- NAVAIR 51-40ABA-7.1
- NAVMC 2907
- NAWCADLKE-MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

8. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-117 2.0 E L

Goal. Set up a FLOLS.

Requirement. With the aid of references, a power source and a Fresnel Lens.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-14
- MRC/MIP: 4922/RF8-34

Ordinance. None.

External Syllabus Support. None.

FLOLS-118 0.5 L

Goal. Perform Fresnel Lens Optical Landing System (FLOLS) pre-operational inspection.

Requirement. Given the FLOLS, a pre-operational inspection form and the reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MRC/MIP: 4922/RF8-34

Ordinance. None.

External Syllabus Support. None.

9. M-21 Marine Corps Expeditionary Arresting Gear (MCEAG)

MCEAG-119 10.0 E L

Goal. Identify the major components of the M-21 arresting gear system and explain their function.

Requirement. Without the aid of references and given a M-21 arresting gear.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support. None.

MCEAG-120 3.0 E L

Goal. Install MCEAG.

Requirement. At a pre-determined site, as a runway crewmember and given an M-21 arresting gear system and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support. None.

MCEAG-121 11.0 E L

Goal. Operate MCEAG.

Requirement. As a runway crewmember with the aid of references at an installed M-21 arresting gear site.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56
- M-21 Aircraft Recovery Bulletin 45-12 series

Ordnance. None.

External Syllabus Support. None.

MCEAG-122 26.0 E L

Goal. Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.

Requirement. As a maintenance crewmember with the aid of references, an M-21 arresting gear retrieve and arrester engine.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordnance. None.

External Syllabus Support. None.

MCEAG-123 0.5 E L

Goal. Perform each position of MCEAG operations.

Requirement. Given MCEAG, the reference and a scenario involving aircraft arrested landings.

Performance Standard. Per the reference listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2

Ordnance. None.

External Syllabus Support

- Heavy Equipment

MCEAG-124 1.5 E L

Goal. Perform MCEAG pre-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, the references, and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support

- Heavy Equipment

MCEAG-125 0.5 E L

Goal. Perform MCEAG post-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, the references and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support

- Heavy Equipment

10. E-28 Arresting Gear

E28-126 8.0 E L

Goal. Identify the major components of the E-28 arresting gear system and explain their function.

Requirement. Without the aid of references and given a E-28 arresting gear.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5-31
- MRC/MIP: 5861/R28-44

Ordinance. None.

External Syllabus Support. None.

E28-127 11.0 E L

Goal. Operate E-28 arresting gear.

Requirement. As a runway crewmember with the aid of references at an installed E-28 arresting gear site.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5-31
- MRC/MIP: 5861/R28-44

Ordinance. None.

External Syllabus Support. None.

E28-128 8.0 E L

Goal. Perform "O" level maintenance on E-28 arresting gear system.

Requirement. As a maintenance crewmember with the aid of references and an E-28 arresting gear system.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MRC/MIP: 5861/R28-44
- NAVAIR 51-5-31

Ordinance. None.

External Syllabus Support. None.

233. COMBAT READY TRAINING

1. Purpose. To develop proficiency as an EAF Technician. During this segment of the syllabus, the technician will operate Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. FASOTRAGRU.

d. Live and Simulator Event Training (18 Events, 117.3 Hours)

2. Maintenance Management

MMGT-200 0.5 L

Goal. Complete a VIDS/MAF form.

Requirement. Given a VIDS/MAF form and a maintenance task.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- OPNAV 4790.2 Series
- A5-120AA-WUC-800

Ordinance. None.

External Syllabus Support. None.

MMGT-201

A/R

Goal. Perform the duties of Technical Publication Librarian (TPL).

Requirement. Given a Technical Publication Library and references.

Performance Standard. Per the references listed below.

Prerequisites

- (1) FASOTRAGRU Course E-555-0007.
- (2) FASOTRAGRU Course E-555-0028.

References

- OPNAV 4790.2 Series
- NAVAIR 00-25-100

Ordinance. None.

External Syllabus Support

- Marine Aviation Logistics Squadron (MALS)
Central TPL

3. Communications

COMM-202

1.0

L

Goal. Program six frequencies into the AN/PRC-139(C).

Requirement. Given the nonstandard package and six frequencies.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0029
- Local MRC(s)

Ordnance. None.

External Syllabus Support

- Forklift (10,000 lb cap.)

AM2-208

2.0

L

Goal. Remove and repackage AM-2 matting and accessories.

Requirement. Given AM-2 matting and accessories and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0058
- DDR 06-IS-0050

Ordnance. None.

External Syllabus Support

- Forklift (10,000 lb cap.)

6. Airfield Lighting and Marking

AFLM-209

1.0

L

Goal. Install EAF lighting/marketing components.

Requirement. Given EAF lighting components and with the references.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Basic Electricity MCI Course (11.41).

References

- NAVAIR 51-40ABA-7
- NAWCADLKE-MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- NAWCADLKE-MISC-48J200-0048
- NAWCADLKE-MISC-48J200-0063

Ordnance. None.

External Syllabus Support. None.

Goal. Operate the MCEAG.

Requirement. Given a scenario requiring MCEAG, references and the appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NATOPS-00-80T-115

Ordinance. None.

External Syllabus Support

- Forklift
- HMMWV
- M998
- 5 TON M813
- 5 TON M923

MCEAG-213

4.0

L

Goal. Maintain the MCEAG.

Requirement. Given MCEAG, the references and the appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-67
- MRC/MIP: 5861/R35-71

Ordinance. None.

External Syllabus Support

- Forklift
- HMMWV
- M998

MCEAG-214

24.0

L

Goal. Inspect and prepare MCEAG packages for shipment.

Requirement. Given MCEAG packages, the reference and the appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite.

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R35-71
- MRC/MIP: 5861/R36-67

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV
- M998

MCEAG-217

0.5

L

Goal. Perform MCEAG post-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, references and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R35-71
- MRC/MIP: 5861/R36-67

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV
- M998

234. COMBAT QUALIFICATION TRAINING

1. Purpose. To refine proficiency as an EAF Technician. During this segment of the syllabus, the EAF Technician will operate and maintain EAF equipment for fixed wing and rotary wing aircraft. Maintenance will include upper level maintenance and troubleshooting.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. FASOTRAGRU.

d. Live and Simulator Event Training (35 Events, 150.0 Hours)

2. Maintenance Management

MMGT-300 A/R

Goal. Perform the duties of the work center supervisor.

Requirement. Given a work center and with the given reference.

Performance Standard. Per the reference listed below

Prerequisite

(1) CDI/CDQAR, FASOTRAGRU Course.

Reference

- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

MMGT-301 A/R

Goal. Identify fiscal requirements to support the EAF program.

Requirement. Given an Airtask, fiscal input and the TEEP.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- Air Task (NAVAIR form 3930/1)
- TEEP

Ordinance. None.

External Syllabus Support. None.

- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-305

2.0

L

Goal. Supervise site survey for an AM-2 matting installation.

Requirement. Given a requirement to survey a site for an AM-2 matting installation and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIRINST 13800.12A
- NAVAIR 51-60A-1
- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-306

10.0

L

Goal. Supervise AM-2 matting installation and accessories.

Requirement. Given an AM-2 matting installation scenario and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIRINST 13800.12A
- NAVAIR 51-60A-1
- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-307

2.0

L

Goal. Supervise the removal and repackaging of AM-2 matting and accessories.

Requirement. Given a scenario requiring removal and repackaging of AM-2 matting and accessories.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support. None.

AM2-308

0.5

L

Goal. Supervise a maintenance inspection on AM-2 matting installation.

Requirement. Given the requirement to inspect an AM-2 matting installation and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0029

Ordinance. None.

External Syllabus Support

- Forklift

AM2-309

A/R

Goal. Plan and supervise installation of aircraft revetments.

Requirement. Given task and reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAWCADLKE-MISC-48J200-0010

Ordnance. None.

External Syllabus Support. None.

AM2-310

A/R

Goal. Coordinate logistical support for installation and maintenance of AM-2 matting.

Requirement. Given the commander's intent and the reference given.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordnance. None.

External Syllabus Support. None.

5. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-311

2.0

L

Goal. Supervise scheduled FLOLS inspections.

Requirement. Given a FLOLS inspection schedule and a requirement to conduct a FLOLS inspection.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Basic Electricity MCI Course (11.41).

References

- MRC/MIP: 4922/RF8-34
- NAVAIR 51-40ABA-14
- NAEC-ENG-7390

Ordnance. None.

External Syllabus Support. None.

FLOLS-312

A/R

Goal. Coordinate logistical support for FLOLS installation, operation and maintenance.

Requirement. Given the commander's intent.

Performance Standard. Per the reference listed below.

Prerequisite. None.

7. Marine Corps Expeditionary Arresting Gear (MCEAG)

<u>MCEAG-315</u>	<u>72.0</u>	<u>L</u>
<u>Goal.</u> Supervise MCEAG installation.		
<u>Requirement.</u> Given MCEAG and tasked to install MCEAG.		
<u>Performance Standard.</u> Per the references listed below.		
<u>Prerequisite.</u> None.		
<u>References</u>		
<ul style="list-style-type: none"> • NAVAIR 51-5EAA-2 • NAWCADLKE-MISC-48J200-0013 • NAVINST 13800.12B 		
<u>Ordnance.</u> None.		
<u>External Syllabus Support</u>		
<ul style="list-style-type: none"> • Heavy Equipment • Surveyor • Forklift 		
<u>MCEAG-316</u>	<u>A/R</u>	<u>L</u>
<u>Goal.</u> Supervise MCEAG operations.		
<u>Requirement.</u> Given a scenario involving MCEAG operations and references.		
<u>Performance Standard.</u> Per the references listed below.		
<u>Prerequisite</u>		
(1) Completion of the EAF "A" School (CID: C-604-2015).		
<u>References</u>		
<ul style="list-style-type: none"> • NAVAIR-51-5EAA-2 • M-21 Aircraft Recovery Bulletin 45-12K • NAVAIR 00-80T-115 		
<u>Ordnance.</u> None.		
<u>External Syllabus Support</u>		
<ul style="list-style-type: none"> • Heavy Equipment • HMMWV / M998 		
<u>MCEAG-317</u>	<u>4.0</u>	<u>L</u>
<u>Goal.</u> Supervise MCEAG maintenance.		
<u>Requirement.</u> Given MCEAG and with the references.		
<u>Performance Standard.</u> Per the references listed below.		

External Syllabus Support

- Heavy equipment
- HMMWV / M998

MCEAG-320 1.0

Goal. Supervise scheduled MCEAG inspection.

Requirement. Given MCEAG inspection schedule and a requirement to conduct MCEAG inspection.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Completion of the EAF "A" School (CID: C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-67
- NAWCADLKE-MISC-48J200-0013

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV / M998

MCEAG-321 A/R

Goal. Coordinate logistical support for MCEAG installation, operation and maintenance.

Requirement. Given the commander's intent and per the reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance

- M-130 Blasting cap (40 ea)
- MD58 (40 ea)

External Syllabus Support. None.

MCEAG-322 A/R

Goal. Install and test an LEA.

Requirement. Given task and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIR 51-60A-1
- NAVSEA OP 5, VOL 3
- NAWCADLKE-MISC-48J200-0011

Ordnance

- M-130 Blasting Cap
- MD58

External Syllabus Support. None.

8.Operations

OPS-323 A/R

Goal. Coordinate personnel and equipment requirements in support of current operational plans.

Requirement. Given an Operational Plan, Time Phased Force Deployment Data (TPFDD) and Training, Exercise, and Employment Plan (TEEP).

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0003
- NAWCADLKE-MISC-48J200-0010

Ordnance. None.

External Syllabus Support. None.

OPS-324 A/R

Goal. Manage EAF assets distribution and accountability.

Requirement. Given the EAF assets report and Table of Basic Allowances.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVICP 00-35T-37-4
- NAVAIRINST 4444.10

Ordnance. None.

External Syllabus Support. None.

9. Survey Liaisons and Reconnaissance Party (SLRP)

SLRP-325 A/R

Goal. Participate as a member of an SLRP, conduct a site survey of an airfield, and determine EAF requirements.

Requirement. As a member of a SLRP and given a SLRP checklist and concept of operations.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80T-115
- SLRP Checklist

Ordinance. None.

External Syllabus Support. None.

10. Training

TRNG-326 A/R

Goal. Evaluate and monitor training of EAF personnel.

Requirement. Given the current T&R standards and current SAV/FAI checklists.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MCO 3500.67

Ordinance. None.

External Syllabus Support. None.

11. Expeditionary Certification

CERTAM2-327 A/R

Goal. Perform expeditionary certification on AM-2 matting.

Requirement. Given a task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0029
- NAWCADLKE-MISC-48J200-0011

Ordnance. None.

External Syllabus Support. MHE.

CERTAG-328 A/R

Goal. Perform expeditionary certification on MCEAG.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAWCADLKE-MISC-48J200-0013

Ordnance. None.

External Syllabus Support

- MHE
- Surveyor

CERTLM-329 A/R

Goal. Perform expeditionary certification on EAF Lighting and Marking.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-50ABA-7
- NAVAIR 51-50ABA-7.1
- NAVAIR 51-50ABA-14
- NAWCADLKE MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- NAWCADLKE-MISC-48J200-0063
- NAEC-ENG-7390 (B)
- NAVAIRINST 13800.12 series

Ordnance. None.

External Syllabus Support. None.

11. Expeditionary Airfield Capabilities

BRIEF-330 A/R

Goal. Prepare and present briefing on EAF capabilities.

Requirement. Given the references, commander's intent, and geographical situation.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0028
- NAWCADLKE-MISC-48J200-0027
- NAWCADLKE-MISC-48J200-0018
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

12. Communications

COMM-331 A/R

Goal. Identify Communications Requirements.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- T.O. 31R2-2PRC139-1
- NAWCADLKE-MISC-48J200-0001

Ordinance. None.

External Syllabus Support. None.

13. Planning

PLNG-332 A/R

Goal. Plan for installation of aircraft revetments.

Requirement. Given the task and reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

References

- NAVSEA OP 3565
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

14. High Power Turn-up

HPTU-333 A/R

Goal. Install a High Power Turn-up.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAVSEA OP 3565

Ordnance

- M130 Blasting cap
- MD58

External Syllabus Support

- Heavy Equipment

HPTU-334 A/R

Goal. Supervise the installation of a High Power Turn-up.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAVSEA OP 3565

Ordnance. None.

External Syllabus Support. Heavy Equipment.

235. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. To be fully proficient as an EAF Technician. During this segment of the syllabus, the EAF Technician will participate in Joint Operations planning, BRAAT planning, and perform an expeditionary certification on High Power Turn-up.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (3 Events, 5.0 Hours)

2. Joint Operations

JTOPS-400 1.0

Goal. Participate in Joint Operations planning.

Requirement. Given the task.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

3. Base Recovery After Attack (BRAAT)

BRAAT-401 2.0

Goal. Participate in BRAAT planning.

Requirement. Given the task and reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- DDR 91-1201 (D)

Ordinance. None.

External Syllabus Support. None.

4. Expeditionary Certification (High Power Turn-up)

HPTU-402 2.0

Goal. Perform expeditionary certification on High Power Turn-up installation.

Requirement. Given the task and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support

- Heavy Equipment

240. SPECIAL TRAINING REQUIREMENTS. There has been a requirement established for a follow-on formal course of instruction. The formal school in Pensacola, FL is currently developing this course. The plan for this course is to fulfill a 300 level requirement.

270. PROFICIENCY INTERVALS. Tables 2-6 thru 2-8 list the proficiency intervals for the Combat Readiness, Combat Qualification, and Full Combat Qualification training levels.

Table 2-6.--EAF Technician Proficiency Interval For The Combat Readiness Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MMGT	200	.5	12	.9	X		L
	201	A/R	12	.9	X		
COMM	202	1.0	12	1.0	X		L
	203	.5	12	.9	X		L/S
	204	.5	12	.9	X		S
MPF	205	1.0	12	1.0	X		L/S
AM2	206	5.0	12	1.5	X		L
	207	.5	12	.9	X		L
	208	2.0	12	1.25	X		L
AFLM	209	2.5	12	1.25	X		L
FLOLS	210	2.5	12	1.25	X		L
MCEAG	211	72.0	12	1.75	X		L
	212	.3	6	.9	X		L/S
	213	4.0	12	1.25	X		L
	214	24.0	12	1.5	X		L
	215	.5	6	.95	X		L/S
	216	1.5	6	1.0	X		L
	217	.5	12	.9	X		L
TOTAL	18	117.3		20%			

Table 2-7.--EAF Technician Proficiency Interval For The Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MMGT	300	A/R	N/A	.5			
	301	A/R	N/A	.5			
	302	A/R	N/A	.5			
MPF	303	.5	N/A	.5			L
AM2	304	24.0	12	.5	X		L
	305	2.0	12	.5	X		L
	306	10.0	12	.5	X		L
	307	2.0	12	.5	X		L
	308	.5	12	.6	X		L
	309	A/R	N/A	.6			
	310	A/R	N/A	.5			
FLOLS	311	2.0	12	.6	X		L
	312	A/R	N/A	.5			
AFLM	313	1.0	12	.6	X		L
	314	A/R	N/A	.6			
MCEAG	315	72.0	12	.6	X		L
	316	A/R	12	.6	X		L
	317	4.0	12	.6	X		L
	318	24.0	12	.6	X		L
	319	A/R	12	.6		X	
	320	1.0	12	.6	X		
	321	A/R	N/A	.6			
	322	A/R	N/A	.6			
OPS	323	A/R	N/A	.5			
	324	A/R	N/A	.5			
SLRP	325	A/R	12	.5	X		
TRNG	326	A/R	N/A	.5			
CERTAM2	327	A/R	12	.5	X		
CERTAG	328	A/R	N/A	.5			
CERTLM	329	A/R	N/A	.5			
BRIEF	330	A/R	12	.5	X		
COMM	331	A/R	N/A	.5			
PLNG	332	A/R	N/A	.5			
HPTU	333	A/R	N/A	.5			
HPTU	334	A/R	N/A	.5			
TOTAL	35	150.0		15%			

Table 2-8.--EAF Technician Proficiency Interval For The Full Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
JTOPS	400	1.0	N/A	1.0		X	S/L
BRAAT	401	2.0	N/A	2.0		X	S/L
HPTU	402	2.0	N/A	2.0			L
TOTAL	03	5.0		5%			

280. EVENT UPDATE CHAINING. Table 2-9 lists the event update chaining for the Expeditionary Airfield Technician (MOS 7011).

Table 2-9.--EAF Technician Training Update Chaining.

EVENTS	EVENTS UPDATED
300	200
305	206
306	206
307	208
308	207
311	210
313	209
315	211
316	212
317	213, 216, 217
318	214
319	200, 210, 212, 213, 215, 216, 217, 300, 311, 316, 317
320	217
324	300
325	305
327	206, 306
328	211, 212, 213, 216, 217, 316, 317, 318, 321, 322
329	209, 210, 311, 313
330	302, 303, 304, 310, 312, 314, 321
332	309
334	333
400	330
401	330
402	333, 334