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Subj: AIRFIELD EMERGENCY SERVICES (AES) TRAINING AND READINESS (T&R) MANUAL
(SHORT TITLE: AES T&R MANUAL)

Ref: (a) NAVMC 3500.14

Encl: (1) AES T&R MANUAL

1. Purpose. To revise standards and regulations regarding the training of Aircraft, Rescue and Firefighting (ARFF) and Expeditionary Airfield (EAF) personnel per the reference.

2. Information. This revision provides for a more efficient and effective training program for ARFF and EAF personnel. The revision, having undergone a comprehensive restructure, includes upgrades to the following items:

- a. Reformatted to conform to Aviation T&R Program requirements.
- b. Identification of core skills and incorporation of core Mission Essential Task List (METL).
- c. Development of core skill/METL matrix.
- d. Establishment of core skill and core plus training requirements.
- e. Refinement of training programs of instruction for ARFF and EAF personnel.

3. Recommendations. Recommended changes to this publication are invited, and may be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General, Training and Education Command, Aviation Training Branch via e-mail (refer to <https://www.intranet.tecom.usmc.mil/sites/atb/AGT/default.aspx>) or the Defense Message System using the following plain language address: CG TECOM QUANTICO VA ATB.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

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

5. Certification. Reviewed and approved this date.


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By direction

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AIRFIELD EMERGENCY SERVICES (AES)

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CHAPTER 1

AIRFIELD EMERGENCY SERVICES (AES)

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CHAPTER 1

AIRFIELD EMERGENCY SERVICES (AES)

100. AES TRAINING AND READINESS UNIT REQUIREMENTS. Marine Aviation plays a crucial role in the MAGTF's ability to conduct Maneuver Warfare. The ultimate goal of Marine Aviation is to attain the highest possible level of combat readiness to support Expeditionary Maneuver Warfare while at the same time preserving and conserving our Marines and equipment. Embedded within our combat readiness is the ability to rapidly, effectively, and efficiently deploy on short notice; to quickly and effectively plan for crises and/or contingency operations thereby ensuring Marine Aviation remains ready for combat when and where the need arises. This AES Training and Readiness (T&R) manual represents the collaborative effort of AES subject matter experts who designed training standards to maximize the full combat capabilities of the Expeditionary Airfield (EAF) and Aircraft, Rescue and Firefighting (ARFF) personnel. These standards, intrinsic in the core competency section, describe and define unit capabilities and requirements necessary to maintain like-squadron proficiency in core skills and combat leadership. Training events are based on specific requirements and performance standards to ensure AES personnel maintain a common base of training and depth of combat capabilities. Together, the T&R manual comprises a building block approach to ensure that trained AES personnel remain ready, relevant, and fully capable of supporting the MAGTF commander. The capabilities defined and described in the core competency model are provided to ensure each like-squadron maintains a common base of training and depth of capabilities. When resources permit and when, in the judgment of the commander, additional training would significantly increase the unit's warfighting capability; training to a level above these base capabilities is permitted. It is incumbent upon, and expected of, the commander to balance any increase in the depth of core capabilities against the long-term health and readiness of the unit while staying within resource constraints.

101. MISSION STATEMENT. Support the MAGTF commander by establishing and maintaining AES to forward deployed elements of the MAGTF. AES provides Expeditionary Airfield (EAF) and Aircraft, Rescue and Firefighting (ARFF) services at one main air base and two Forward Arming Refueling Points (FARP) or one air facility and two FARPs. Services include: expeditionary airfield surfacing, aircraft arrestment, airfield terminal guidance, airfield marking and lighting, airfield assessment, aircraft and structural fire fighting at the Forward Operating Base (FOB) which includes Aviation Combat Element (ACE) ammunition storage facilities and other facilities within proximity of the main airfield.

102. TABLE OF ORGANIZATION (T/O). Refer to T/O 8702 managed by Total Force Structure, MCCDC, for current authorized organizational structure and personnel strength for Marine Wing Support Squadron (MWSS) units. As of this publication date, a MWSS unit is authorized:

T/O 8702
<p style="text-align: center;"><u>MWSS UNIT¹</u></p> <p>Officers - 1 (7002) Enlisted - 25 (7011) Enlisted - 54 (7051)</p>
<p style="text-align: center;"><u>Main Air Base</u></p> <p>Officers - 1 (7002) Enlisted - 20 (7011) Enlisted - 36 (7051)</p>
<p style="text-align: center;"><u>Air Facility</u></p> <p>Officers - 1 (7002) Enlisted - 15 (7011) Enlisted - 14 (7051)</p>
<p style="text-align: center;"><u>Air Point/FARP</u></p> <p>Enlisted - 2 (7051)</p>
<p>Note 1: MOSs 6046, 6672, and 3526 are normally attached to an EAF/ARFF sub-units but are not listed within this T&R.</p>

1. Core Capability. A core capable EAF and ARFF branch within the MWSS are able to provide the MAGTF commander with EAF services in order to establish and/or support one FOB and two FARPs within a 90-mile radius of the FOB. EAF capabilities include supporting flight operations with continuous Marine Corps arresting gear services, airfield surfacing systems, Visual Landing Aids (VLAs), and accessories during training or contingency situations to meet the needs of the ACE commander. ARFF capabilities include providing continuous, immediate, and responsive rescue and firefighting services for aircraft, structural, and vehicular emergencies, fire inspections for air bases and facilities, emergency first aid, and hazardous material response.

a. Core Capable AES (Main Air Base). A core capable AES detachment at a main base is able to provide incident command, immediate and responsive rescue and fire fighting for aircraft emergencies, structural fire protection and fire inspector functions for air base facilities, extrication of personnel from vehicle mishaps, first responder emergency medical services and containment of hazardous material incidents in support of one main base. It also provides the installation, operation and maintenance of airfield surfaces, arresting gear, airfield lighting systems and visual landing aids. A main air base is a secure airfield capable of supporting MAG elements and associated intermediate maintenance activities (IMAs) for sustained 24 hour operations ashore for a sustained period of 90 days. Task organization requirements determine support agencies and required facilities.

Core Capable AES (Main Air Base)

- (1) 7002 EAF/F&ES Officer
- (1) 7051 Fire & Emergency Services Chief
- (1) 7051 Fire Inspector
- (2) 7051 Section Leaders
- (6) 7051 Crew Leaders
- (2) 7051 Rescue Technicians
- (4) 7051 Dispatchers

- (20) 7051 Firefighter Technicians
- (1) 7011 EAF Services Chief
- (1) 7011 Quality Assurance/Analysis Chief
- (1) 7011 Supply Chief
- (1) 7011 Runway Supervisor
- (2) 7011 Recovery Crew Leaders
- (2) 7011 Lighting and Marking NCOs
- (4) 7011 Lighting and Marking Technicians
- (4) 7011 Engine Operators
- (2) 7011 A/C Point Coordinators
- (2) 7011 FLOLS Operators

Note: Additional personnel and equipment over and above the minimum response should be planned for and provided to support the broad range of fire protection required at some FOBs.

b. Core Capable AES (Air Facility). A core capable AES detachment at a air facility is able to provide incident command, immediate and responsive rescue and fire fighting for aircraft emergencies, structural fire protection functions for air facility, extrication of personnel from vehicle mishaps, first responder emergency medical services and containment of hazardous material incidents in support of an air facility. It also provides the installation, operation and maintenance of airfield surfaces, arresting gear, airfield lighting systems and VLAs. An air facility is a secure airfield capable of supporting squadron-sized elements and associated organizational maintenance activities (OMAs) for sustained 24 hour operations at a combat sortie rate.

Core Capable AES (Air Facility)

- (1) 7002 EAF/F&ES Officer
- (3) 7051 Dispatchers
- (2) 7051 Crew Leaders
- (2) 7051 Rescue Technicians
- (6) 7051 Firefighter Technicians
- (1) 7051 Section Leader
- (1) 7011 EAF Services Chief
- (1) 7011 Quality Assurance/Analysis Chief
- (1) 7011 Runway Supervisor
- (2) 7011 Recovery Crew Leaders
- (2) 7011 Lighting and Marking Technicians
- (4) 7011 Engine Operators
- (2) 7011 A/C Point Coordinators
- (2) 7011 FLOLS Operators

Note: Additional personnel and equipment over and above the minimum response should be planned for and provided to support the broad range of fire protection required at some air facilities. AES has the capability of providing the installation of airfield surfacing systems, VLAs, and airfield lighting systems as mission dictates; however, additional manpower shall be required during initial installation of airfield surfaces.

c. Core Capable ARFF (FARP) Detachment. FARPs are normally temporary, transitory facilities established for a specific mission and for an average duration of 72 hours. A core capable ARFF FARP Detachment is able to provide incident command, immediate and responsive rescue and fire fighting for

aircraft emergencies, and first responder emergency medical services. EAF has the capability of providing the installation of airfield surfaces and airfield lighting systems as mission dictates.

Core Capable ARFF (FARP) Detachment

- (1) 7051 Firefighter Technician
- (1) 7051 Rescue Technician

NOTE: Operations exceeding 72 hours may require additional support.

d. Although not required by doctrine, the EAF section possesses the capability to support safe flight operations at both air sites and air points. An EAF section is able to assist in rapidly, effectively, and efficiently deploying EAF capabilities to support the ACE as follows:

(1) EAF (Air Site) Team. The EAF Air Site Team can provide expeditionary, lightweight airfield surfacing materials and expeditionary, man-portable lighting for the air site. Actual number of personnel required may increase as mission dictates.

EAF (Air Site) Team

- (1) 7011 Lighting and Marking NCO
- (2) 7011 Lighting and Marking Technicians

(2) EAF (FARP) Team. The EAF FARP Team can provide expeditionary, lightweight airfield surfacing materials and expeditionary, man-portable lighting for the air site. Actual number of personnel required may increase as mission dictates.

EAF (FARP) Team

- (1) 7011 Lighting and Marking NCO
- (2) 7011 Lighting and Marking Technicians

103. CORE METL/CORE SKILLS MATRIX.

1. The core Mission Essential Task List (METL) is a standardized list of tasks a tactical unit/operational support unit must be able to accomplish during combat or contingency operations.

MCT #	MISSION ESSENTIAL TASK
4.6.3	Provide Airfield Operation Services
5.3.3.3	Establish Forward Operating Location
6.1.1.3	Conduct Base Defense
6.3.3	Restore Mission Essential Operations and Communications

2. Core skills abbreviations for this T&R syllabus are listed below.

CORE SKILL	ABBREVIATION
Airfield Lighting	AFL
Airfield Services	AFS
Arresting Gear	ARG
Maintenance Management	MMGT
Battle Management Training	BMT
Crew Management Training	CMT
Driving and Operating Apparatus	DVOP
Advanced Fire Operations	FFOA
Basic Fire Operations and Dispatching	FFOB
Fire Operations Chief	FFOC
Intermediate Fire Operations	FFOI
Fire Operations Leader	FFOL
Fire Inspections and Prevention	INSP

3. The METL/Core Skills portion of the matrix provides the link between the unit training program and its METL by graphically depicting Core Skill links between specific community METs.

MCT #	MISSION ESSENTIAL TASKS	CORE SKILL												
		A F L	A F S	A R G	M M G T	B M T	C M T	D V O P	F F O A	F F O B	F F O C	F F O I	F F O L	I N S P
4.6.3	Provide Airfield Operation Services	X	X	X	X		X	X	X	X	X	X	X	X
5.3.3.3	Establish Forward Operating Location	X	X				X	X	X	X		X	X	
6.1.1.3	Conduct Base Defense													
6.3.3	Restore Mission Essential Operations and Communications							X	X	X	X	X	X	X

MCT #	MISSION ESSENTIAL TASKS	CORE PLUS SKILL												
		A F L	A F S	A R G	M M G T	B M T	C M T	D V O P	F F O A	F F O B	F F O C	F F O I	F F O L	I N S P
4.6.3	Provide Airfield Operation Services	X	X	X	X		X							
5.3.3.3	Establish Forward Operating Location	X	X				X							
6.1.1.3	Conduct Base Defense													
6.3.3	Restore Mission Essential Operations and Communications													

104. CORE MODEL MINIMUM REQUIREMENTS (CMMR). The squadron core competency reflects minimum level of competency AES personnel must achieve to perform its core capability. Squadron core competency is measured in terms of minimum Core Skill Proficiency (CSP) and minimum number of AES combat leaders.

1. Minimum Unit CSP Requirements. At a minimum, in order to be considered core competent, a unit must have AES personnel who are proficient in each core skill (unit CSP) as indicated below. In order for an individual to be considered proficient in a core skill (individual CSP), personnel must attain proficiency in core skill events, as noted in their specific MOS chapters. AES personnel will maintain proficiency in core skill events as noted below.

CORE SKILL	MAIN AIR BASE			AIR FACILITY			FARP		
	7002	7011	7051	7002	7011	7051	7002	7011	7051
AFL		6			2				
AFS		1			1				
ARG		10			10				
MMGT		2			1				
BMT									
CMT		1			1				
DVOP			6			2			1
FFOA			2			2			1
FFOB			18			8			
FFOC			1						
FFOI			6			2			
FFOL			2			1			
INSP			1						

2. Minimum Combat Leader Requirements. At a minimum, in order to be considered core competent, a MWSS must possess the following numbers of crewmembers with the listed combat leadership designations.

CMMR (UNIT COMBAT LEADERSHIP REQUIREMENTS)									
Designation	Main Air Base			Air Facility			FARP		
	7002	7011	7051	7002	7011	7051	7002	7011	7051
EAF/F&ES Officer	1 ^{1,2}			1 ^{1,2}					
Assistant Maintenance Officer		1			1				
Quality Assurance		1			1				
Production Control		1			1				
Runway Supervisor		1			1				
Crew Leader		2	6		2	2		1	1
Section Leader			2			1			
Fire Inspector			1						
Note:									
1. Although not specifically a combat leader by T/O, it's required to sustain core capability in contingency operations.									
2. EAF/F&ES Officer duties are performed concurrently.									

105. INSTRUCTOR REQUIREMENTS. At this time there is no minimum requirement for instructors due to the unique nature of the communities' one time certification process.

UNIT INSTRUCTOR REQUIREMENTS			
Designations	EAF/F&ES OFFICER (7002)	ARFF CREWMAN (7051)	EAF TECHNICIAN (7011)
Fire Instructor I	1 ¹		
Fire Instructor II	1 ²		
CPR Instructor		1 ³	
EVOC Instructor		1 ³	
Note:			
1. Fire Instructor I is received upon completion of FFOB-240. 2. Fire Instructor II is received upon completion of FFOA-335. 3. Recommended requirement in order better meet the unit mission (INST-500, INST-501.			

106. ORDNANCE REQUIREMENTS. The below ordnance requirements are IAW NAVAIR 51-60A-1 and based on a total of twenty EAF Technicians annually.

ORDNANCE	100 SERIES	200 SERIES	300 SERIES	400 SERIES	REFRESHER	ANNUAL TOTAL
MD58		20 ²	20 ²	20 ¹		60
M130		20 ²	20 ²	20 ¹		60
Note:						
1. MOS 7002. 2. MOS 7011.						

107. TRAINING RESOURCE REQUIREMENTS. If applicable, address any critical training resources required to achieve T&R requirements (e.g. ranges, adversary support, tanker support, etc). Objectively defining and identifying aviation training resource requirements will assist operational and HQ agencies in defining required aviation training resources.

1. ARFF Specialist

a. Training Fires. The Mobile Aircraft Firefighting Training Device (MAFTD), fossil fuel burn pits, propane burn facilities, etc. are the types of fire training devices available based on local and regional constraints. The commander shall identify and implement the appropriate training device based on local restrictions.

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CHAPTER 2

EXPEDITIONARY AIRFIELD / FIRE & EMERGENCY SERVICES (EAF/F&ES) OFFICER
(MOS 7002)

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CHAPTER 2

EXPEDITIONARY AIRFIELD / FIRE & EMERGENCY SERVICES (EAF/F&ES) OFFICER
(MOS 7002)

200. EAF/F&ES OFFICER (7002) TRAINING AND READINESS REQUIREMENTS. This T&R syllabus is based on specific goals and performance standards designed to ensure individual proficiency in core skills. The goal of this chapter is to develop individual and unit warfighting capabilities. This T&R manual represents the collaborative effort of subject matter experts who designed training standards to maximize the full combat capabilities of the EAF/F&ES Officer. These standards, intrinsic in the core competency section, describe and define individual capabilities and requirements necessary to attain and maintain proficiency in core skills and combat leadership. Training events are based on specific requirements and performance standards to ensure personnel maintain a common base of training and depth of combat capabilities. Together, the T&R manual comprises a building block approach to ensure that trained EAF/F&ES Officers remain ready, relevant, and fully capable of supporting the units' mission.

201. TRAINING PROGRESSION MODEL. This EAF/F&ES Officer training progression model represents training progression for the average (7002) in terms of core skills, qualification and designation attainment (see figure 2-1). Units should use the model as a point of departure to generate individual training plans.

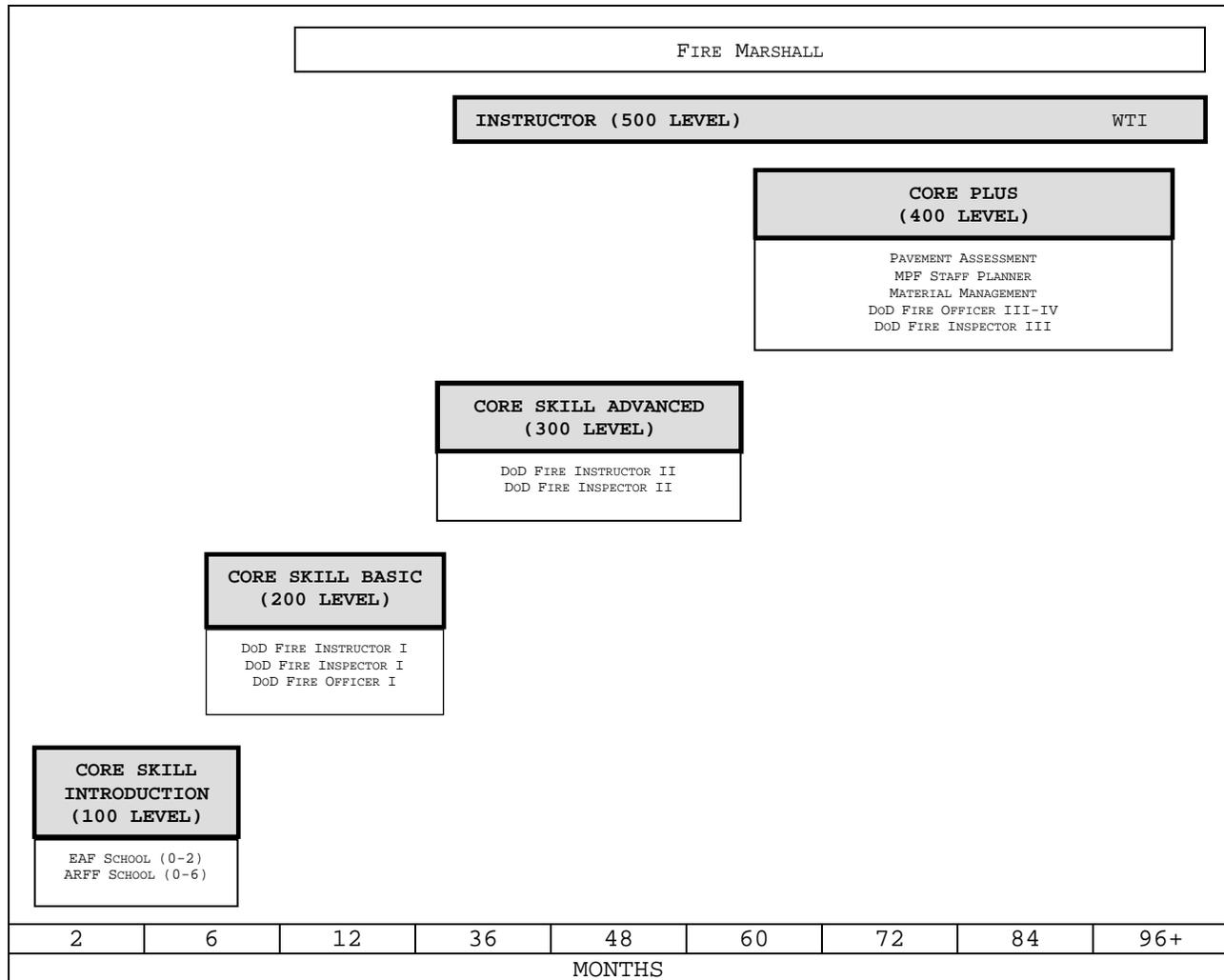


Figure 2-1.--EAF/F&ES Officer Training Progression Model

202. INDIVIDUAL CORE SKILL PROFICIENCY (CSP) REQUIREMENTS. A CSP crew consists of individuals representing each crew position who have achieved and currently maintain individual CSP. In order to be considered proficient in a core skill, an individual must attain and maintain proficiency in core skill events as delineated in the below paragraphs.

1. Events Required to Attain Individual CSP. To initially attain CSP in a specific core skill, an individual must simultaneously have a proficient status in all 200-300 level T&R events for that core skill.

INDIVIDUAL CSP ATTAIN TABLE				
EAF/F&ES OFFICER (MOS 7002)	CMT	BMT	FFOB	FFOA
	200	325	240	335
	201	326	241	336
	202	327	242	337
	203	328	243	
	204	329		
	205			
	206			
	207			
	208			
	209			
	210			
	211			
	212			
300				
301				

R = Refresher Event

2. Events Required to Maintain Individual CSP. All EAF/F&ES Officer events required to attain core skill proficiency are one-time events that do not require Refly or Refresh; thus, there are no R-coded events and no requirement for a "Maintain" table.

3. Events Required to Attain Individual Proficiency in Core Plus Skills. Proficiency in core plus skills is not required to obtain unit CSP. Training to core plus skills is at the discretion of the unit commanding officer. To attain proficiency in a core plus skill, an individual must be proficient status in all T&R events listed for that core plus skill.

INDIVIDUAL CORE PLUS SKILL ATTAIN TABLE				
EAF/F&ES OFFICER (MOS 7002)	CMT	BMT	FFOB	FFOA
	400	425		435
	401	426		436
	402	427		
	403	428		
	404			

R = Refresher Event

4. Events Required to Maintain Individual Proficiency in Core Plus Skills. All EAF/F&ES Officer events required to attain core skill proficiency are one-time events that do not require Re-fly or Refresh; thus, there are no R-coded events and no requirement for a "Maintain" table.

203. QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events that are required to be completed to attain initial qualifications, to re-qualify, and to attain designations. All stage lectures, briefs, squadron training, and prerequisites shall be complete prior to completing final events. Qualification and designation letters signed by the commanding officer shall be placed in the officer's Individual Performance Records (IPR). Loss of proficiency in all qualification events causes the associated qualification to be lost. Regaining a qualification requires completing all R-coded syllabus events associated with that qualification.

1. Qualification. A qualification is assigned based on demonstrated proficiency in a specific skill. EAF/F&ES Officers currently do not have any qualifications.

2. Designation. A designation is a status assigned by the commanding officer to an individual based on leadership ability. It is command-specific and remains in effect until removed for cause, transferred, or rescinded at the commander's discretion. Commanders are encouraged to consider the individual designation requirements noted below prior to designating an individual. Once an individual is designated, commanders shall issue a designation letter for inclusion into the officer's IPR. Follow-on commands shall repeat the "initial documentation procedure".

INDIVIDUAL DESIGNATION REQUIREMENTS		
Designation	Tracking Code	Requirements
Weapons and Tactics Instructor	DESG-600	
Aviation Maintenance Officer	DESG-601	CMT-200, CMT-201
Responsible Officer	DESG-602	CMT 201, CMT-210
Fire Marshal	DESG-603	FFOB-242, FFOA-336

204. EAF/F&ES OFFICER (7002) PROGRAMS OF INSTRUCTION (POI)

1. Training Progression Philosophy. EAF/F&ES Officer training is unique amongst other MOS training because of the requirement to function in tactical and civilian environments simultaneously, whether assigned to a MWSS or MCAS. The progressive training model is designed to provide the commanding officer with milestones in preparing the EAF/F&ES Officer for additional responsibilities. Successful completion of these core skills will prepare the EAF/F&ES Officer for career progression through the headquarters level.

a. This training progression philosophy also applies to EAF/F&ES Officer in the Marine Corps Total Force.

2. BASIC POI

<u>Months</u>	<u>Phase</u>	<u>Activity</u>
	Core Skill Introduction	
0-2	EAF	NATTC
0-6	ARFF	DOD Fire Academy
6-18	Core Skill Basic	MWSS
18-60	Core Skill Advanced	MWSS
60-96	Core Plus	MWSS
0-144	RQD	MWSS

3. REFRESHER POI

<u>Months</u>	<u>Phase</u>	<u>Activity</u>
1	Core Skill Basic	MWSS
1	Core Skill Advanced	MWSS
1	Core Plus	MWSS

205. ACADEMIC/GROUND TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Commanders are strongly encouraged to incorporate the lectures into their training plans. Standardized academic training materials exist and may be obtained from the sponsoring activity.

2. External academic courses of instruction available to complete the syllabus are listed below:

<u>Course</u>	<u>Activity</u>
Fire Officer II	DoD Fire Academy, Goodfellow AFB, TX
Fire Officer III	DoD Fire Academy, Goodfellow AFB TX
Fire Officer IV	DoD Fire Academy, Goodfellow AFB TX
Fire Inspector I	DoD Fire Academy, Goodfellow AFB TX
Fire Inspector II	DoD Fire Academy, Goodfellow AFB TX
Fire Inspector III	DoD Fire Academy, Goodfellow AFB TX
HAZMAT/WMD	DoD Fire Academy, Goodfellow AFB TX
Fire Marshall	DoD Fire Academy, Goodfellow AFB TX
Weapons Tactics Instructor	MAWTS-1, MCAS Yuma, AZ
Aviation Maintenance Officer	NAS Pensacola, FL
Material Management Course	Camp Pendleton CA/ Camp Lejeune NC
M-31 Advanced Course	NAEC Lakehurst, NJ
Pavement Assessment Course I/II	Tyndall AFB, FL
MPF Staff Planners Course	San Diego CA/Norfolk VA/Okinawa

206. SYLLABUS NOTES. List notes, policies, and guidelines applicable to the T&R syllabus if required.

1. The purpose of this section is to provide the commander with standardized programs of instruction for all EAF/F&ES officers. 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 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, training managers can construct and execute an effective training plan that supports unit MCTLs.

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 in order to accomplish their wartime mission. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, *Unit Training Management (UTM) Guide*, and form the basis for the development of this T&R Directive. 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. AES personnel are often assigned Fleet Assistance Program (FAP) or Temporary Additional Duty (TAD) assignments in order to provide additional training opportunities. Gaining commands shall provide training for FAP/TAD Marines within the provisions of the applicable T&R manual, as able. Reference NAVMC 3500.14, par 103.3.b..

207. CORE SKILL INTRODUCTION TRAINING

1. General

a. Purpose. This phase provides classroom entry-level instruction to develop the basic skills necessary for an EAF/F&ES Officer. The 100 level syllabus introduces the EAF/F&ES Officer to firefighting principles and protection (structural and airport). Additionally, introduction to EAF training encompasses installation, operation, maintenance and the providing of EAF support. During this level of training the officer will become familiar with mission requirements and associated equipment required to provide emergency response and EAF services. The specific training events/instruction are in accordance with and governed by the latest approved programs of instruction conducted at both the Expeditionary Airfield Services School in Pensacola, Florida and the Louis F. Garland DOD Fire Academy, San Angelo, Texas. Officers who previously completed the EAF or ARFF schools, as an enlisted Marine, are not required to attend that course as Warrant Officers. However, that course not previously attended (EAF or ARFF school) must be completed. Upon completion of both courses, the officer will be 60% CRP complete.

b. Prerequisite. Firefighter applicants must be given and pass, a physical examination, in accordance with NFPA 1582, prior to attending the formal course.

c. Academic Training. Marine Expeditionary Airfield Equipment Course, Class M-1 (OSCN: C-604-2015B, CID: N2370D2) at Naval Air Technical Training Center (NATTC), Pensacola, FL; Fire Protection Apprentice Course (OSCN: XAABR3E731 0A1A, CID: F0764T2), Goodfellow Air Force Base, San Angelo, TX.

d. Core Skill Introduction Stages

- (1) Familiarization (FAM).
- (2) System (SYS).
- (3) Basic Fire Operations and Dispatching (FFOB).

e. Classroom and Simulator Event Training: 12 events, 854 hours.

2. Familiarization (FAM)

FAM-100 21.0 B L

Goal. Familiarize the student with Naval Aviation Maintenance Program (NAMP) functions.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) Safety/Hazardous Material Program.
- (2) Expeditionary Airfield Configurations.
- (3) Naval Aviation Maintenance Program.
- (4) Planned Maintenance System.
- (5) Record Maintenance Actions.
- (6) Tool Control Program.

Performance Standard. Pass a written evaluation with a minimum of 70% accuracy.

SYS-103 113.0 B L

Goal. Utilize Arresting Gear.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) F-58 Mechanical Workshop.
- (2) Introduction to Arresting Gear.
- (3) Introduction/Operation of E-28 Shore based Emergency Arresting Gear.
- (4) Maintain E-28 Shore based Emergency Arresting Gear.
- (5) Installation/Operation of the M-31 Expeditionary Arresting Gear.
- (6) Maintain M-31 Arresting Gear.

Performance Standard. Pass a written and performance evaluation with a minimum of 70% accuracy.

Prerequisite. FAM-100, SYS-101, and SYS-102.

References

- (1) NAVAIR 51-5FAA-2.
- (2) NAVAIR 51-5FAA-3.
- (3) NAWCADLKE MISC-48J200-0070.
- (4) NAVAIR 51-5-31.
- (5) NAVAIR 51-5FAA-1.

SYS-104 79.0 B L

Goal. Utilize Expeditionary Airfield Lighting Systems.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) Installation/Operation of Infra-red Field Marker Lights, Daytime Panel Markers, and L-123 Daytime Vertical Landing Aids and Wind indicator.
- (2) Installation/Operation of Minimum Operating Strip Lighting System.
- (3) Installation/Operation of Fresnel Lens Optical Landing System.
- (4) Installation/Operation of Expeditionary Airfield Hardwire Lighting.
- (5) Expeditionary Airfield Lighting Maintenance.

Performance Standard. Pass a written and performance evaluation with a minimum of 70% accuracy.

Prerequisite. FAM-100, SYS-101, SYS-102, and SYS-103.

References

- (1) AFI 13-217.
- (2) MRC 4922/RF8-61.

FFOB-119 164.0 B L/S

Goal. Achieve certification as Firefighter II.

Requirement. Complete the following skills:

- (1) Obtain general knowledge skills of a Firefighter II.
- (2) Perform fire ground operations.
- (3) Conduct rescue operations.
- (4) Perform prevention, preparedness, and maintenance functions.
- (5) Initiate fire department communications.

Performance Standard. In accordance with any IFSAC or PRO-BOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-117, FFOB-118.

Reference. NFPA 1001, Chapter 5.

FFOB-120 104.0 B L/S

Goal. Achieve certification as Airport Firefighter.

Requirement. Complete the following skills:

- (1) Obtain general knowledge skills of Airport Firefighter.
- (2) Perform a response to an airport emergency.
- (3) Suppress an aircraft fire.
- (4) Perform Rescue operations on aircraft emergencies.

Performance Standard. In accordance with any IFSAC or PRO-BOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-119.

Reference. NFPA 1003, Chapter 6.

208. CORE SKILL BASIC TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Introduction phase (100-level) while assigned to a MWSS EAF and ARFF branch. Initial individual core skills are learned using a combination of classroom training and practical application. Training consists of the National Incident Management System training, Fire Instructor I, Fire Officer I, Fire Inspector I, Maintenance Management Officer (MMO) Course, HAZMAT Incident Commander, Introduction to Airfield Surfaces, Marine Corps Emergency Arresting Gear, Airfield Lighting and Marking and Maintenance management, making the EAF/F&ES Officer proficient in core competencies. This phase is complete when all certifications have been achieved.

b. Administrative Note. National Incident Management System (NIMS) training is currently offered on the Federal Emergency Management Agency (FEMA) training website: <http://training.fema.gov>.

c. Prerequisite. Complete the 100-level of this syllabus.

d. Core Skill Basic Stages

- (1) Crew Management Training (CMT).
- (2) Basic Fire Operations and Dispatching (FFOB).

e. Live and Simulator Event Training: 17 events, 593.0 hours.

2. Crew Management Training (CMT)

a. Purpose. To develop advanced knowledge of management techniques and procedures required leading and supervising an EAF/F&ES unit.

b. Prerequisite. Complete all 100 level courses and certifications.

c. Academic Training. Academic training is completed through formal courses of instruction and practical application.

d. Live and Simulator Event Training: 13 events, 342.0 hours.

CMT-200	80.0	B	L
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Goal. Manage the EAF maintenance program IAW applicable references.

Requirement. Complete the following:

- (1) Review NAMP manual focusing on volumes 3 and 5.
- (2) Review the EAF specific areas in accordance to the NAMP Manual.

Performance Standard. Hours are cumulative. Complete the appropriate maintenance documentation and submit as required to MALS. Conduct a section self evaluation checklist online located at: <http://logistics.navair.navy.mil/csec>.

References. COMNAVAIRFORINST 4790.2__.

CMT-201	40.0	B	L
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Goal. Manage the EAF supply program IAW applicable references.

Requirement. Complete the following:

- (1) Obligate funds necessary to accomplish the operation and maintenance of EAF assets.
- (2) Reconcile OPTAR report with MALS.

Performance Standard. Hours are cumulative. Submit quarterly activity reports to higher headquarters IAW Work Assignment Agreement.

CMT-202	1.0	B	L
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Goal. Audit the submission of the National Fire Incident Report (NFIRS).

Requirement. Review the NFIRS to ensure the accuracy of FES information prior to submission to the Naval Safety Center.

c. Core Plus Training Stages

- (1) Crew Management Training (CMT).
- (2) Battle Management Training (BMT).
- (3) Advanced Fire Operations (FFOA).

d. Live and Simulator Event Training: 11 events, 764.0 hours.

2. Crew Management Training (CMT)

a. Purpose. To develop advanced knowledge of management techniques and procedures required leading and supervising an EAF/F&ES unit.

b. Prerequisite. Complete all 300 level courses and certifications.

c. Academic Training. Academic training is completed through practical application.

d. Live and Simulator Event Training: 5 events, 50.0 hours.

CMT-400 10.0 B L

Goal. Request and perform an Expeditionary Certification of EAF surfacing system with the exception of the High Power Run Up (HPRU) IAW references.

Requirement. Supervise the installation of the following EAF surfacing materials:

- (1) Design layout of the installation of EAF surfacing materials.
- (2) Submit design for evaluation by NAVAIR Expeditionary Airfield Service Unit representative.
- (3) Submit naval correspondence to respective MARFOR requesting expeditionary certification.

Performance Standard. Design and installation approved by respective MARFOR. Certification check list completed.

Prerequisites. CMT-215.

External syllabus support. Heavy Equipment, Engineer and Motor Transport support.

Ordnance

- (1) MD58.
- (2) M130.

References

- (1) NAVAIR 51-40ABA-7.
- (2) NAVAIRINST 13800.12__.
- (3) DDR-06-IS-0061.
- (4) NAEC 91-7794.
- (5) NAVAIR 51-40ABA-7.1.
- (6) NAVSEA OP 3565.

CMT-401 10.0 B L

Goal. Request and perform an Expeditionary Certification of Marine Corps Expeditionary Arresting Gear (MCEAG) systems IAW references.

Requirement. Supervise the installation of the following EAF MCEAG systems:

- (1) Design layout of the installation of MCEAG systems.
- (2) Submit design for evaluation by NAVAIR Expeditionary Airfield Service Unit representative.
- (3) Submit naval correspondence to respective MARFOR requesting expeditionary certification.

Performance Standard. Design and installation approved by MARFORPAC/LANT. Certification check list completed.

Prerequisites. CMT-217.

External syllabus support. Heavy Equipment, Engineer and Motor Transport support.

References

- (1) NAVAIRINST 13800.12.
- (2) NAVAIR 51-5FAA-1.
- (3) NAVAIR 51-5FAA-2.
- (4) NAVAIR 51-5FAA-3.

CMT-402 10.0 B L

Goal. Request and perform an Expeditionary Certification of EAF Terminal Guidance Systems IAW references.

Requirement. Supervise the installation of the following EAF Terminal Guidance Systems at an austere site:

- (1) Design layout of the installation of EAF Terminal Guidance Systems.
- (2) Submit design for evaluation by NAVAIR Expeditionary Airfield Service Unit representative.
- (3) Submit naval correspondence to respective MARFOR requesting expeditionary certification.

Performance Standard. Design and installation approved by respective MARFOR.

Prerequisite. CMT-216

External syllabus support. Heavy Equipment, Engineer and Motor Transport support.

References

- (1) NAVAIR 51-40ABA-7.
- (2) NAVAIRINST 13800.12.
- (3) DDR-06-IS-0061.
- (4) NAEC 91-7794.
- (5) NAVAIR 51-40ABA-7.1.

CMT-403 10.0 B L

Goal. Request and perform an Expeditionary Certification of EAF marking and lighting IAW references.

Requirement. Supervise the installation of the following EAF marking and lighting at an austere site:

- (1) Design layout of the installation of marking and lighting.
- (2) Submit design for evaluation by NAVAIR Expeditionary Airfield Service Unit representative.
- (3) Submit naval correspondence to respective MARFOR requesting expeditionary certification.

Performance Standard. Design and installation approved by respective MARFOR.

Prerequisites. CMT-216.

External syllabus support. Heavy Equipment, Engineer and Motor Transport support.

References

- (1) NAVAIR 51-40ABA-7.
- (2) NAVAIRINST 13800.12.
- (3) DDR-06-IS-0061.
- (4) NAEC 91-7794.
- (5) NAVAIR 51-40ABA-7.1.

CMT-404 10.0 B L

Goal. Request and perform an Expeditionary Certification of EAF High Power Run-Up (HPRU) system IAW references.

Requirement. Supervise the installation of the following EAF High Power Run-Up at an austere site:

- (1) Design layout of the installation of a HPRU.
- (2) Submit design for evaluation by NAVAIR Expeditionary Airfield Service Unit representative.
- (3) Submit naval correspondence to respective MARFOR requesting expeditionary certification.

Performance Standard. Design and installation approved by MARFORPAC/LANT.

External syllabus support. Heavy Equipment, Engineer and Motor Transport support.

References

- (1) NAVAIR 51-60A-1.
- (2) NAVAIRINST 13800.12.

3. Battle Management Training (BMT)

a. Purpose. To develop advanced knowledge in the integration of high level planning outside the scope of the internal unit.

b. Administrative Notes. Training in this stage may be conducted simultaneously with training for qualifications.

c. Prerequisite. Must be the rank of Chief Warrant Officer-2 or higher to attend the Weapons Tactical Instructor (WTI) course.

d. Academic Training. Academic training is completed through practical application and an approved formal course of instruction.

e. Live and Simulator Event Training: 4 events, 454 hours.

BMT-425 360.0 B L

Goal. Be capable of operating and performing as a Squadron, Group or Wing WTI officer.

Requirement. Become familiar with the following:

- (1) Air Base Master plan.
- (2) Base Recovery After Attack (BRAAT).
- (3) Survey Liaison Reconnaissance Party (SLRP).
- (4) Employment of EAF/ARFF assets.
- (5) Aviation Ground Support functions.

Performance Standard. Successfully complete WTI.

Prerequisite. Security clearance classification as SECRET, assigned to a Wing unit and the rank of Chief Warrant Officer.

BMT-426 4.0 B L

Goal. Authorize expeditionary certification.

Requirement. Complete the following:

- (1) Review appropriate plans.
- (2) Recommend approval/disapproval.
- (3) Release appropriate naval correspondence.

Performance Standard. Approve/disapprove certification and review certification reports.

Prerequisite. Assignment to MARFOR Expeditionary Services Officer billet.

BMT-427 80.0 B L

Goal. Coordinate the employment of EAF and ARFF assets within Maritime Pre-positioned Force (MPF).

Requirement. Conduct the following:

- (1) Identify EAF/ARFF assets, capabilities and requirements in support of the MAGTF.
- (2) Develop a plan of employment.
- (3) Coordinate with embark representative for delivery of Essential equipment.
- (4) Employ assets.

FFOA-436 140.0 B L

Goal. Achieve certification as Fire Officer IV.

Requirement. Complete the following:

- (1) Perform human resource management.
- (2) Maintain community and government relations.
- (3) Perform administrative functions.
- (4) Conduct inspections and investigations.
- (5) Supervise emergency services.
- (6) Apply health and safety regulations.

Performance Standard. In accordance with NFPA 1021, Chapter 7.

Prerequisite. FFOA-435.

211. INSTRUCTURE TRAINING PHASE. The EAF/F&ES Officer receives Fire Instructor certification upon completion of FFOB-240 and FFOA-335. Weapons and Tactics Instructors (WTI) are certified upon completion of the WTI Course conducted by MAWTS-1.

212. REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS (RQD) PHASE

1. EAF/F&ES Officer Designations

a. Purpose. To track the designation of combat leaders, control positions and instructors.

b. Administrative Notes. This section enables units to document and track combat leaders and "position" designations. All syllabus training requirements for a specific designation must be complete prior to being designated. Training management personnel shall log final designation codes once designated by the commanding officer.

c. Academic Training. Per the applicable designation syllabus.

d. EAF/F&ES Officer Combat Leadership designations (DESG):

- (1) Weapons and Tactics Instructor (WTI).
- (2) Responsible Officer (RO).
- (3) Aviation Maintenance Officer (AMO).
- (4) Fire Marshal.

DESG-600

Goal. Tracking code for WTI designation.

Requirement. Complete required WTI events. The 7002 shall be designated by the commanding officer MAWTS-1 as a WTI.

DESG-601

Goal. Tracking code for AMO designation.

Requirements. Complete required CMT events. The 7002 shall be designated AMO by the commanding officer.

Prerequisite. CMT-200 and CMT-201.

DESG-602

Goal. Tracking code for RO designation.

Requirements. Complete required CMT events. The 7002 shall be designated RO by the commanding officer.

Prerequisite. Completion of CMT 201 and CMT 210.

DESG-603

Goal. Tracking code for Fire Marshal designation.

Requirements. Complete required CMT events. The 7002 shall be designated Fire Marshal by the commanding officer.

Prerequisite. Completion of FFOB-242 and FFOA-336.

213. T&R SYLLABUS MATRIX. The below matrix's summarizes T&R syllabus event information.

EAF/F&ES OFFICER (MOS 7002)									
100 LEVEL - CORE SKILL INTRODUCTION									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FAM	100	21.0	*	L		B		5.0	
SYS	101	9.0	*	L	100	B		5.0	
SYS	102	61.0	*	L	100,101	B		5.0	
SYS	103	113.0	*	L	100,101 102	B		5.0	
SYS	104	79.0	*	L	100,101 102,103	B		5.0	
SYS	105	27.0	*	L	100,101 102,103 104	B		5.0	
FFOB	115	56.0	730	L/S		B,R		5.0	
FFOB	116	24.0	*	L/S		B		5.0	
FFOB	117	164.0	*	L/S	116	B		5.0	
FFOB	118	32.0	*	L/S	116	B		5.0	
FFOB	119	164.0	*	L/S	117,118	B		5.0	
FFOB	120	104.0	*	L/S	119	B		5.0	
TOTAL HRS:		854.0						60%	CRP

EAF/F&ES OFFICER (MOS 7002)									
200 LEVEL - CORE SKILL BASIC									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
CMT	200	80.0	*	L		B		2.02	
CMT	201	40.0	*	L		B		1.01	
CMT	202	1.0	*	L		B		.03	
CMT	203	21.0	*	L		B		.53	
CMT	204	50.0	*	L		B		1.26	
CMT	205	25.0	*	L		B		.63	
CMT	206	65.0	*	L		B		1.64	
CMT	207	10.0	*	L		B		.25	
CMT	208	10.0	*	L/S		B		.25	
CMT	209	20.0	*	L		B		.51	
CMT	210	8.0	*	L		B		.20	
CMT	211	10.0	*	L		B		.25	
CMT	212	2.0	*	L		B		.05	
FFOB	240	48.0	*	L		B		1.21	
FFOB	241	24.0	*	L		B		.61	
FFOB	242	91.0	*	L		B		2.30	
FFOB	243	88.0	*	L		B		2.23	
TOTAL HRS:		593.0						15%	CRP

EAF/F&ES OFFICER (MOS 7002)									
300 LEVEL - CORE SKILL ADVANCED									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
CMT	300	3.0	*	L		B		.18	
CMT	301	2.0	*	L		B		.12	
BMT	325	12.0	*	L		B		.72	
BMT	326	10.0	*	L		B		.60	
BMT	327	4.0	*	L		B		.24	
BMT	328	4.0	*	L		B		.24	
BMT	329	25.0	*	L		B		1.51	
FFOA	335	83.0	*	L		B		5.0	
FFOA	336	91.0	*	L		B		5.48	
FFOA	337	98.0	*	L		B		5.92	
TOTAL HRS:		332.0						20%	CRP

EAF/F&ES OFFICER (MOS 7002)									
400 LEVEL - CORE PLUS									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
CMT	400	10.0	*	L	215	B		.06	
CMT	401	10.0	*	L	217	B		.06	
CMT	402	10.0	*	L	216	B		.06	
CMT	403	10.0	*	L	216	B		.06	
CMT	404	10.0	*	L		B		.48	
BMT	425	360.0	*	L		B		2.14	
BMT	426	4.0	*	L		B		.02	
BMT	427	80.0	*	L		B		.48	
BMT	428	10.0	*	L		B		.06	
FFOA	435	120.0	*	L	335,337	B		.76	
FFOA	436	140.0	*	L	435	B		.83	
TOTAL HRS:		764.0						5%	CRP

214. SYLLABUS EVALUATION FORM. See appendix A for the syllabus evaluation forms.

215. SIMULATOR MISSION ESSENTIAL SUBSYSTEMS MATRIX (MESM). Currently, MESM is not applicable to this syllabus.

216. EVENT CONVERSION MATRIX. The event conversion matrix provides a comparison for all events in this EAF/F&ES Officer syllabus as they correspond to the previous EAF/F&ES Officer syllabus that this chapter replaced.

NEW EVENT #	NEW GOAL	OLD EVENT #
100 LEVEL EVENTS		
FAM-100	Familiarization with NAMP functions.	NEW
SYS-101	Utilize and maintain EAF the comm. system.	NEW
SYS-102	Utilize EAF Surfaces.	NEW
SYS-103	Utilize Arresting Gear.	NEW
SYS-104	Utilize EAF Lighting Systems.	NEW
SYS-105	Embarkation of EAF Equipment.	NEW
FFOB-115	Achieve cert as DoD First Responder.	NEW
FFOB-116	Achieve cert as Haz-Mat Awareness.	NEW
FFOB-117	Achieve cert as Firefighter I.	NEW
FFOB-118	Achieve cert as Haz-Mat Operations.	NEW
FFOB-119	Achieve cert as Firefighter II.	NEW
FFOB-120	Achieve cert as Airport Firefighter.	NEW

NEW EVENT #	NEW GOAL	OLD EVENT #
200 LEVEL EVENTS		
CMT-200	Manage the EAF maintenance program.	MMGT-200
CMT-201	Manage the EAF supply program.	TRNG-227
CMT-202	Audit the submission of the NFIR Report.	NEW
CMT-203	Understand the EAF/FES operational requirements for basic airfield categories and their functions.	NEW
CMT-204	Installation of EAF surfacing materials.	AM2-203 AM2-204
CMT-205	Installation of EAF lighting components.	AFLM-206 ADMIN-217
CMT-206	Installation of MCEAGS Systems.	MCEAG-207 MCEAG-208 MCEAG-209
CMT-207	Installation of Terminal Guidance Systems.	TGS-205
CMT-208	Determine EAF/FES requirements in support of MAG operations.	NEW
CMT-209	Conduct an EAF/FES retrograde practical application.	AM2-304
CMT-210	Understand the relationship between budgeting, Table of Basic Allowance reporting, condition, and mission capabilities.	OPS-301 OM&N-302
CMT-211	Design an EAF to support MAG requirements.	NEW
CMT-212	Conduct a section brief.	NEW
FFOB-240	Achieve cert as Fire Officer II.	TRNG-223
FFOB-241	Achieve cert as Haz-Mat IC.	NATOPS-211 NATOPS-316
FFOB-242	Achieve cert as Fire Inspector I.	NEW
FFOB-243	Achieve cert as Fire Officer I.	NATOPS-212 ADMIN-214 ADMIN-215 ADMIN-216 OPS-218 OPS-219 TRNG-225
DELETED 200 LEVEL EVENTS		
NATOPS-213, OPS-220		
300 LEVEL EVENTS		
CMT-300	Establish and maintain an EAF/F&ES training program IAW applicable references	TRNG-305 TRNG-306
CMT-301	Identify EAF/F&ES assets and capabilities within the Maritime Pre-positioned Force (MPF) program IAW reference	MPF-210
BMT-325	Establish and maintain the capability within the F&ES Branch to effectively respond to a mass casualty incident	PLAN-317
BMT-326	Design an EAF to support MAGTF requirements	AM2-201
BMT-327	Understand the functions and structure of a Marine Wing Support Squadron (MWSS)	NEW
BMT-328	Understand the six functions of Marine Aviation	NEW
BMT-329	Plan the personnel and equipment requirements in Support of an operational plan.	OPS-300
FFOA-335	Achieve certification as Fire Instructor II	TRNG-224
FFOA-336	Achieve certification as Fire Inspector II	NEW
FFOA-337	Achieve certification as Fire Officer II	TRNG-319
DELETED 300 LEVEL EVENTS		
LOG-307, SAL-313, OPS-315, INSP-318		

NEW EVENT #	NEW GOAL	OLD EVENT #
400 LEVEL EVENTS		
CMT-400	Request and perform an Expeditionary Certification of EAF surfacing system with the exception of the HPRU.	CERT-308
CMT-401	Request and perform an Expeditionary Certification of MCEAG.	CERT-309
CMT-402	Request and perform an Expeditionary Certification of EAF Terminal Guidance Systems.	CERT-310
CMT-403	Request and perform an Expeditionary Certification of EAF marking and lighting.	CERT-311
CMT-404	Request and perform an Expeditionary Certification of EAF HPRU.	CERT-312
BMT-425	Be capable of operating and performing as a Squadron, Group or Wing WTI officer.	AM2-202 OPS-221 TRNG-226 SLRP-303
BMT-426	Authorize expeditionary cert.	CERT-401
BMT-427	Coordinate the employment of EAF/FES assets within MPF.	MPF-400
BMT-428	Prepare MOU, MOA as they pertain to EAF/FES procedures and agreements.	ADMIN-314
FFOA-435	Achieve cert as Fire Officer III.	TRNG-320
FFOA-436	Achieve cert as Fire Officer IV.	TRNG-404
DELETED 400 LEVEL EVENTS		
PLAN-402, WMD-403		
600 LEVEL EVENTS		
DESG-600	Tracking code for WTI designation.	NEW
DESG-601	Tracking code for AMO designation.	NEW
DESG-602	Tracking code for RO designation.	NEW
DESG-603	Tracking code for Fire Marshal designation.	NEW

CHAPTER 3

EXPEDITIONARY AIRFIELD (EAF) SYSTEMS TECHNICIAN
(MOS 7011)

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NAVMC 3500.45
31 Mar 08

CHAPTER 3

EXPEDITIONARY AIRFIELD (EAF) SYSTEMS TECHNICIAN
(MOS 7011)

300. EAF TECHNICIAN (7011) TRAINING AND READINESS REQUIREMENTS. This T&R syllabus is based on specific goals and performance standards designed to ensure individual proficiency in core skills. The goal of this chapter is to develop individual and unit warfighting capabilities. This T&R manual represents the collaborative effort of subject matter experts who designed training standards to maximize the full combat capabilities of the EAF Technician. These standards, intrinsic in the core competency section, describe and define individual capabilities and requirements necessary to attain and maintain proficiency in core skills and combat leadership. Training events are based on specific requirements and performance standards to ensure personnel maintain a common base of training and depth of combat capabilities. Together, the T&R manual comprises a building block approach to ensure that trained EAF Technicians remain ready, relevant, and fully capable of supporting the units' mission.

301. TRAINING PROGRESSION MODEL. This EAF Technician training progression model represents training progression for the average (7011) in terms of core skills, qualification and designation attainment (see figure 3-1). Units should use the model as a point of departure to generate individual training plans.

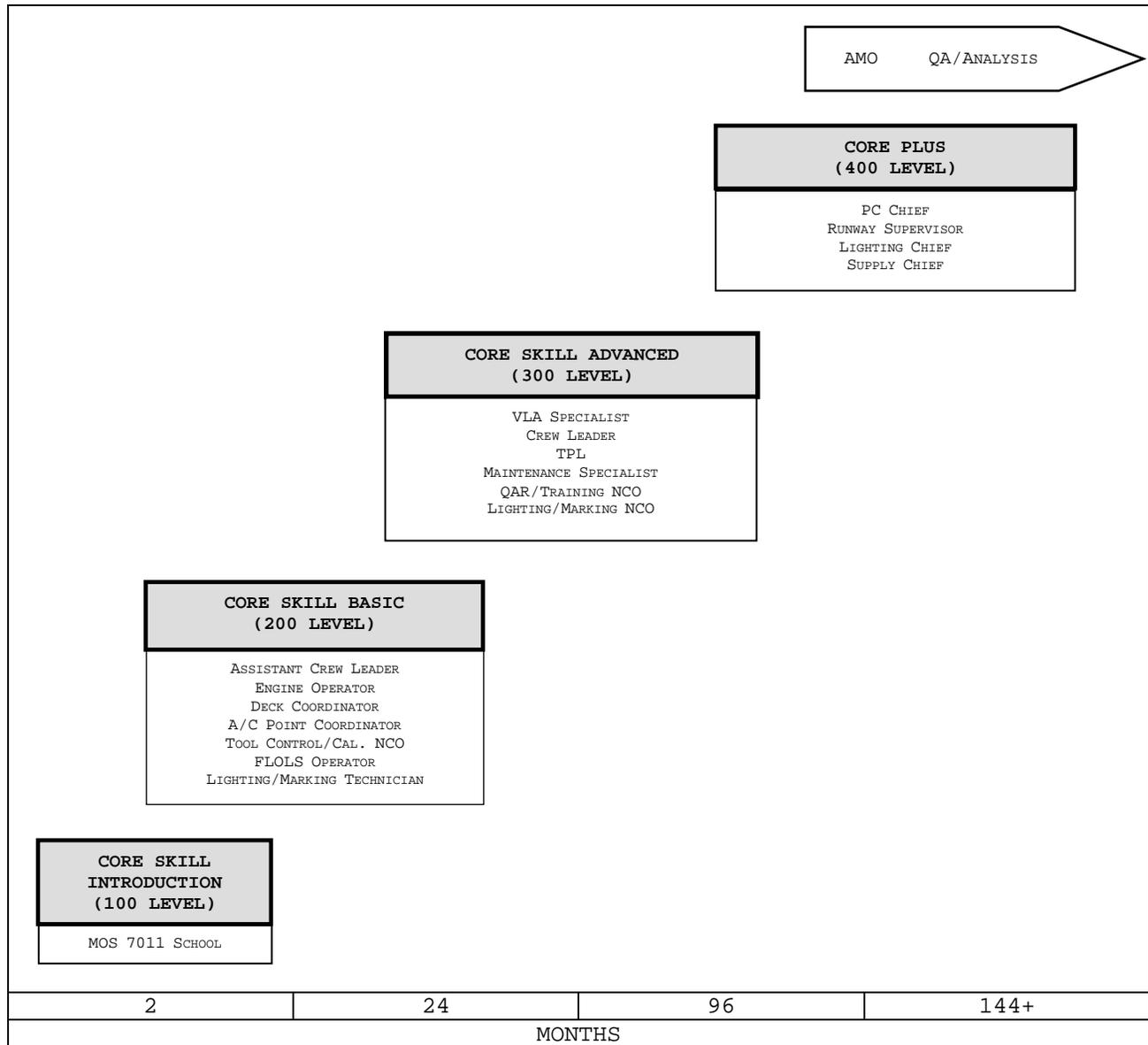


Figure 3-1. EAF Technician Training Progression Model

302. INDIVIDUAL CORE SKILL PROFICIENCY (CSP) REQUIREMENTS. A CSP crew consists of individuals representing each crew position who have achieved and currently maintain Individual CSP. In order to be considered proficient in a core skill, an individual must attain and maintain proficiency in core skill events as delineated in the below paragraphs.

1. Events Required to Attain Individual CSP. To initially attain CSP in a specific core skill, an individual must simultaneously have a proficient status in all 200-300 level T&R events for that core skill.

INDIVIDUAL CORE SKILL ATTAIN TABLE						
EAF Technician (MOS 7011)	AFL	AFS	ARG	MMGT	BMT	CMT
	219R	200	236	251		
	220R	201R	341R	252		
	221	202	342R	363R		
	321	203	343R	364		
	322	204	344	365		
	323	300R	345	366R		
	324	301R	346R	367R		
	325R	302	347	368R		
	326R	303		369R		
		304		370		
		305		371R		
		306		372R		
				373R		
				374		
			375			
			376			
R = Refresher Event						

2. Events Required to Maintain Individual CSP. To maintain CSP in a specific core skill, an individual must maintain proficiency in all 200-300 level T&R events for that core skill.

INDIVIDUAL CORE SKILL MAINTAIN TABLE						
EAF Technician (MOS 7011)	AFL	AFS	ARG	MMGT	BMT	CMT
	219R	201R	341R	363R		
	220R	300R	342R	366R		
	325R	301R	343R	367R		
	326R		346R	368R		
				369R		
			371R			
			372R			
			373R			
R = Refresher Event						

3. Events Required to Attain Individual Proficiency in Core Plus Skills. Proficiency in core plus skills is not required to obtain unit CSP. Training to core plus skills is at the discretion of the unit commanding officer. To attain proficiency in a core plus skill, an individual must be proficient status in all T&R events listed for that core plus skill.

INDIVIDUAL CORE PLUS SKILL ATTAIN TABLE							
EAF Technician (MOS 7011)	AFL	AFS	ARG	MMGT	BMT	CMT	
						400	418
						401	419
						402	420
						403	421
							422
						423R	
R = Refresher Event							

4. Events Required to Maintain Individual Proficiency in Core Plus Skills. To maintain proficiency in a core plus skill, an individual must maintain proficiency in all 400 level T&R events for that core plus skill.

INDIVIDUAL CORE PLUS SKILL MAINTAIN TABLE						
EAF Technician (MOS 7011)	AFL	AFS	ARG	MMGT	BMT	CMT
						423R
R = Refresher Event						

303. QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events are required to be completed to attain initial qualifications, to re-qualify, and to attain designations. All stage lectures, briefs, squadron training, and prerequisites shall be complete prior to completing final events. Qualification and designation letters signed by the commanding officer shall be placed in the Marine's individual performance records (IPR). Loss of proficiency in all qualification events causes the associated qualification to be lost. Regaining a qualification requires completing all R-coded syllabus events associated with that qualification.

1. Qualification. A qualification is assigned based on demonstrated proficiency in a specific skill. EAF Technicians currently do not have any qualifications.

2. Designation. A designation is a status assigned by the commanding officer to an individual based on leadership ability. It is command specific and remains in effect until removed for cause, transferred, or rescinded at the commander's discretion. Commanders are encouraged to consider the individual designation requirements noted below prior to designating an individual. Once an individual is designated, commanders shall issue a designation letter for inclusion into the Marine's IPR. Follow-on commands shall repeat the "initial documentation procedure".

INDIVIDUAL DESIGNATION REQUIREMENTS		
Designation	Tracking Code	Requirements
Assistant Maintenance Officer ¹	DESG-616	AFS-300, AFS-301, AFS-302, AFS-303, AFS-304, AFS-305, AFL-322, AFL-323, AFL-324, AFL-326, ARG-341, ARG-342, ARG-343, ARG-346, ARG-347, MMTG-363, MMTG-364, MMTG-365, MMTG-366, MMTG-367, MMTG-368, MMTG-369, MMTG-370, MMTG-371, MMTG-372, MMTG-373, MMTG-374, MMTG-375, MMTG-376
Quality Assurance ¹	DESG-617	Pass QA evaluation IAW NATOPS COMNAVAIRINST 4790.2, AFS-200, AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, MMTG-251, MMTG-252, AFS-300, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-324, AFL-326, ARG-341, ARG-342, ARG-343, ARG-344, ARG-345, ARG-346, ARG-347, MMTG-363, MMTG-367, MMTG-369, MMTG-370, MMTG-371, MMTG-372, MMTG-373
Production Control ²	DESG-618	Pass Q.A.R. evaluation IAW NATOPS, COMNAVAIRINST 4790.2, AFS 202, AFS-203, AFS-204, AFL-220, AFL-221, MMTG-251, MMTG-252, AFS-300, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-324, AFL-325, AFL-326, ARG-341, ARG-342, ARG-343, ARG-344, ARG-345, ARG-346, ARG-347, MMTG-363, MMTG-370, MMTG-375
Runway Supervisor ²	DESG-619	Pass Q.A.R. evaluation IAW NATOPS, COMNAVAIRINST 4790.2, AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, ARG-236, MMTG-251, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-325, AFL-326, ARG-342, ARG-343, ARG-345, ARG-346, ARG-347, MMTG-370, MMTG-375
Runway Crew Leader ²	DESG-620	Pass C.D.I. evaluation IAW NATOPS, COMNAVAIRINST 4790.2, AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, ARG-236, MMTG-251, AFL-321, AFL-322, AFL-324, AFL-325, AFL-326, ARG-342, ARG-343, ARG-346, MMTG-370
Note: 1. Designated by the CO or maintenance officer. 2. Designated by the Maintenance Officer.		

304. EAF TECHNICIAN (7011) PROGRAMS OF INSTRUCTION (POI)

1. Training Progression Philosophy. EAF training is unique amongst other MOS training because of the requirement to function in tactical environments whether assigned to a MWSS or MCAS. The extensive training and qualification requirements which EAF Technicians are required to meet, under NATOPS regulations, ensures the ability of EAF Technicians to operate safely and legally worldwide.

a. This training progression philosophy applies to EAF personnel in the Marine Corps Total Force.

b. The EAF progression model provides a clear logical progression of designations and essential core skill training. With this model, training officers have the guidance needed to produce viable training plans. Units should use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

2. BASIC POI

<u>Months</u>	<u>Phase</u>	<u>Activity</u>
0-2	Core Skill Introduction	NATTC
2-24	Core Skill Basic	MWSS
24-96	Core Skill Advanced	MWSS
96-240	Core Plus	MWSG/MWSS

3. REFRESHER POI

<u>Months</u>	<u>Phase</u>	<u>Activity</u>
None	Core Skill Basic	MWSS
0-6	Core Skill Advanced	MWSS
12-24	Core Plus	MWSG/MWSS

305. ACADEMIC/GROUND TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Commanders are strongly encouraged to incorporate the lectures into their training plans. Standardized academic training materials exist and may be obtained from the sponsoring activity.

2. External academic courses of instruction available to complete the syllabus are listed below:

<u>Course</u>	<u>Activity</u>
MPF STAFF PLANNERS CRS	EWTGLANT/PAC
AGS Senior Enlisted CRS	MAWTS 1
Pavement Analysis CRS	Eglin AFB
Hazardous Waste Management CRS	Local Command

306. SYLLABUS NOTES. List notes, policies, and guidelines applicable to the T&R syllabus if required.

1. The purpose of this section is to provide the commander with standardized programs of instruction for all EAF Technicians. 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, training managers can construct and execute an effective training plan that supports unit MCTLs.

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 in order to accomplish their wartime mission. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management (UTM) Guide, and form the basis for the development of this T&R Directive. 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. AES personnel are often assigned Fleet Assistance Program (FAP) or Temporary Additional Duty (TAD) assignments in order to provide additional training opportunities. Gaining commands shall provide training for FAP/TAD Marines within the provisions of the applicable T&R manual, as able. Reference NAVMC 3500.14, par 103.3.b..

307. CORE SKILL INTRODUCTION TRAINING

1. General

a. The purpose of the 100 level syllabus (entry-level) is to provide instruction in shore-based and expeditionary arresting gear, Naval Aviation Maintenance Program, EAF communication systems and the rapid construction of expeditionary airfields including, installation, operation, maintenance and embarkation of airfield equipment, arresting gear, airfield lighting systems and optical landing systems. This phase is achieved upon completion of the Marine Expeditionary Airfield Equipment Course. Graduates are trained in EAF operations and are awarded the MOS 7011.

b. Prerequisite. High School Graduate, GT 90, 18 years old upon completion of EAF Equipment Course, Class M-1 C-604-2015B course and have normal color perception.

c. Academic Training. Marine Expeditionary Airfield Equipment Course, Class M-1 (OSCN: C-604-2015B, CID: N2370D2) at Naval Air Technical Training Center (NATTC), Pensacola, FL.

d. Core Skill Introduction Stages

- (1) Familiarization (FAM)
- (2) System (SYS)

e. Classroom and Simulator Event Training: 6 events, 310 hours.

2. Familiarization (FAM)

FAM-100	21.0	B	L
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Goal. Familiarize the student with Naval Aviation Maintenance Program (NAMP) functions.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) Safety/Hazardous Material Program.
- (2) Expeditionary Airfield Configurations.
- (3) Naval Aviation Maintenance Program.
- (4) Planned Maintenance System.
- (5) Record Maintenance Actions.
- (6) Tool Control Program.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) F-58 Mechanical Workshop.
- (2) Introduction to Arresting Gear.
- (3) Introduction/Operation of E-28 Shore-based Emergency Arresting Gear.
- (4) Maintain E-28 Shore-based Emergency Arresting Gear.
- (5) Installation/Operation of the M-31 Expeditionary Arresting Gear.
- (6) Maintain M-31 Arresting Gear.

Performance Standard. Pass a written and performance evaluation with a minimum of 70% accuracy per the references.

Prerequisite. FAM-100, SYS-101, and SYS-102.

References

- (1) MRC 51-5FAA-2.
- (2) MRC 51-5FAA-3.
- (3) NAWCADLKE 48J200-0070.
- (4) NAVAIR 51-5-31.

SYS-104	79.0	B	L
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Goal. Utilize Expeditionary Airfield Lighting Systems.

Requirement. With the aid of reference describe, explain, and utilize the following:

- (1) Installation/Operation of Infra-red Field Marker Lights, Daytime Panel Markers, and L-123 Day Time Vertical Landing Aids and Wind indicator.
- (2) Installation/operation of Minimum Operating Strip Lighting System.
- (3) Installation/operation of Fresnel Lens Optical Landing System.
- (4) Installation/Operation of Expeditionary Airfield Hardwire Lighting.
- (5) Expeditionary Airfield Lighting Maintenance.

Performance Standard. Pass a written and performance evaluation with a minimum of 70% accuracy per the references.

Prerequisite. FAM-100, SYS-101, SYS-102, and SYS-103.

References

- (1) AFI 13-217.
- (2) MRC 4922/RF8-61.
- (3) MRC 51-50ABA-16-1.
- (4) MRC 51-50ABA-16-2.
- (5) NAVAIR 51-40ABA-14.
- (6) NAVAIR 51-40ABA-18.
- (7) NAVAIR 51-40ABA-7.

- (8) NAVAIR 51-40ABA-7.1.
- (9) NAVAIR-51-40ABA-2.
- (10) NAVAIR-51-50ABA-16.
- (11) NAWADLKE MISC-48J200-0012.
- (12) NAWADLKE MISC-48J200-0020.
- (13) NAWADLKE MISC-49J200-0048.
- (14) NAWADLKE MISC-49J200-0063.
- (15) NAWCADLKE NAEC-ENG-7390.

SYS-105 27.0 B L

Goal. Embarkation of Expeditionary Airfield Equipment.

Requirement. With the aid of reference embark the following equipment per the references:

- (1) Embark expeditionary arresting gear and associated components.
- (2) Embark airfield surfaces and associated components.
- (3) Embark airfield lighting and associated components.

Performance Standard. Pass a written and performance evaluation with a minimum of 70% accuracy per the references.

Prerequisite. FAM-100, SYS-101, SYS-102, SYS-103, SYS-104.

References

- (1) NAVAIR 51-40ABA-14.
- (2) NAVAIR 51-40ABA-18.
- (3) NAVAIR 51-40ABA-7.
- (4) NAVAIR 51-40ABA-7.1.
- (5) NAVAIR-51-40ABA-2.
- (6) NAVAIR-51-50ABA-16.
- (7) NAWADLKE MISC-49J200-0063.
- (8) NAVAIR 51-5-31.
- (9) NAVAIR 51-5FAA-1.

308. CORE SKILL BASIC TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Basic phase (200-level) while assigned to a MWSS under the direct supervision of Maintenance Managers while in an OJT environment. Training includes introduction to airfield surfaces, Marine Corps Emergency Arresting Gear, airfield lighting and marking and maintenance management. This phase is achieved when the Expeditionary Airfield Services Technician has proficiently completed all duties as a crew member.

b. Core Skill Basic Stages

- (1) Airfield Surfaces (AFS).
- (2) Airfield Lighting (AFL).
- (3) Arresting Gear (ARG).
- (4) Maintenance Management (MMGT).

2. Airfield Surfaces (AFS)

a. Purpose. To develop proficiency in the installation and maintenance of airfield surfaces. Upon completion of this training, the EAF Technician will be able to maintain EAF surfaces in support of fixed/rotary wing aircraft operations.

b. Prerequisite. Complete the 100-level of this syllabus.

c. Live and Simulated Event Training: 5 Events, 8.5 Hours.

AFS-200 2.0 B L

Goal. Load mat packages for shipment on MPS.

Requirement. Safely load and secured flat-rack for transport.

Performance Standard. Pass embarkation inspection.

References

- (1) NAVMC 2907.
- (2) TM 4790.14-2_.
- (3) NAWCADLKE-MISC-48J200-0028.
- (4) NAWCADLKE-MISC-48J200-0053.

AFS-201 2.0 B,R L

Goal. Install AM-2 matting and accessories.

Requirement. Configure a landing surface.

Performance Standard. Meet all standards within the NAVAIR certification checklist.

References

- (1) NAVAIR 51-60A-1.
- (2) NAWCADLKE-MISC-48J200-0010.
- (3) NAWCADLKE-MISC-48J200-0011.
- (4) NAWCADLKE-MISC-48J200-0021.
- (5) NAWCADLKE-MISC-48J200-0029.

Ordnance

- (1) M130 Blasting cap.
- (2) MD58.

AFS-202 0.5 B L

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

Requirement. Follow the local MRC, ensure proper maintenance is completed.

Performance Standard. Ensure all certification criteria is met per the references.

Reference

- (1) NAVAIR 51-60A-1.
- (2) NAWCADLKE-MISC-48J200-0011.
- (3) NAWCADLKE-MISC-48J200-0021.
- (4) NAWCADLKE-MISC-48J200-0029.
- (5) Local MRC(s).

AFS-203 2.0 B L

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

Requirement. Properly package matting, accessories and non-standard packages.

Performance Standard. RFI mat packs and non-standard packages per the references.

Reference

- (1) NAVAIR 51-60A-1.
- (2) DDR 06-IS-0058.
- (3) DDR 06-IS-005.
- (4) SERV CHNG 72.

AFS-204 2.0 B,R L/S

Goal. Conduct a soil analysis.

Requirement. While utilizing a Dual Mass Dynamic Cone Penetrometer (DCP) (F-83) conduct a soil analysis.

Performance Standard. Complete a soil analysis with 100% accuracy.

Reference

- (1) NAWCADLKE-MISC-48J200-0043.

3. Airfield Lighting (AFL)

a. Purpose. To develop proficiency in the installation and maintenance of airfield lighting. Upon completion of this training, the Expeditionary Airfield Services Technician will be able to maintain EAF lighting in support of fixed/rotary wing aircraft operations.

b. Prerequisite. Complete the 100-level of this syllabus.

c. Live and Simulator Event Training: 3 events, 7 hours.

AFL-219 2.0 B,R L

Goal. Install EAF lighting/marketing components with or without the L-95.

Requirement. Properly mark and illuminate landing surfaces.

Performance Standard. Meet all certification requirements per the references.

Reference

- (1) NAVAIR 51-40ABA-7.
- (2) NAWCADLKE-MISC-48J200-0012.
- (3) NAWCADLKE-MISC-48J200-0020.
- (4) NAWCADLKE-MISC-49J200-0048.
- (5) NAWCADLKE-MISC-49J200-0063.

AFL-220 2.5 B L

Goal. Perform scheduled FLOLS inspections.

Requirement. Identify discrepancies and annotate them on a VIDS/MAF.

Performance Standard. Complete a Function Check to ensure FLOLS is properly operable per the references.

Reference

- (1) MIP/MRC 4922/RF8-61.
- (2) NAVAIR 51-40ABA-14.
- (3) NAEC-ENG-7390.

AFL-221 2.5 B L

Goal. Maintain and inspect airfield lighting and markings.

Requirement. Identify and correct discrepancies and annotate them on a VIDS/MAF.

Performance Standard. Ensure all certification criteria are met per the references.

Reference

- (1) MIP/MRC.
- (2) NAVAIR 51-40ABA-14.
- (3) NAEC-ENG-7390.

4. Arresting Gear (ARG)

a. Purpose. To develop proficiency in the use and care of EAF communication equipment. Upon completion of this training, the Expeditionary Airfield Services Technician will be able to operate and maintain EAF organic communication equipment in support of the aircraft operations.

b. Prerequisite. Complete the 100-level of this syllabus.

c. Live and Simulator Event Training: 1 Events, 0.5 Hours.

ARG-236 0.5 B L

Goal. Operate and maintain organic communication equipment.

Requirement. Perform the following task per applicable communication equipment manuals:

- (1) Program frequencies.
- (2) Perform charge/recharge procedures.
- (3) Demonstrate proper care and accountability.

Performance Standard. Successfully load frequencies and perform radio check per the references.

References

- (1) Local SOP.
- (2) Radio manual.

5. Maintenance Management (MMGT)

a. Purpose. To develop proficiency as a Maintenance Manager for an EAF section. Upon completion of this training, the Expeditionary Airfield Services Technician will be able to manage the support for a fixed/rotary wing aircraft squadron.

b. Prerequisite. Complete the 100-level of this syllabus.

c. Live and Simulator Event Training: 2 Events, 1.5 Hours.

MMGT-251 0.5 B S/L

Goal. Complete a VIDS/MAF form.

Requirement. Given a maintenance action, initiate and complete VIDS/MAF.

Performance Standard. Perform requirement IAW the references.

References

- (1) OPNAVINST 4790.2_.
- (2) NAVAIR A5-120AA-WUC-800.

MMGT-252 1.0 B L

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

Requirement. Perform the following tasks:

- (1) Identify references as required.
- (2) Update and incorporate required changes to publications.
- (3) Audit and track Disbursed Technical Publication Library (DTPL).

Performance Standard. Manage and maintain a Technical Publication Library IAW the references.

References

- (1) COMNAVAIRFORINST 4790.2_.
- (2) NAVAIR 00 25 100.

309. CORE SKILL ADVANCED TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Advanced phase (300-level) while assigned to a MWSS under the direct supervision of Maintenance Managers while in an OJT environment. Training includes introduction to airfield surfaces, Marine Corps Emergency Arresting Gear, airfield lighting and marking and maintenance management. This phase is achieved when the Expeditionary Airfield Services Technician has proficiently completed all duties as a crew member.

b. Core Skill Advanced Stages

- (1) Airfield Surfaces (AFS).
- (2) Airfield Lighting (AFL).
- (3) Arresting Gear (ARG).
- (4) Maintenance Management (MMGT).

2. Airfield Surfaces (AFS)

a. Purpose. To develop advanced knowledge and proficiency in the installation and maintenance of airfield surfaces. Upon completion of this training, the EAF Technician will be able to maintain advanced EAF surfaces in support of fixed/rotary wing aircraft operations.

b. Prerequisite. Training in both the 200 and 300 levels can be conducted simultaneously.

c. Live and Simulator Event Training: 7 Events, 69.5 Hours.

AFS-300 2.0 B,R L

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

Requirement. Per the references perform the following:

- (1) Overall field layout including dimensions.
- (2) Mat lay configuration.
- (3) Anchoring and staking pattern.
- (4) Ground slope data.

Performance Standard. Provide AM-2 installation package for review to MO/AMO, in accordance with the references.

References

- (1) NAVAIRINST 13800.12_.
- (2) MCWP 3-21 APPX E.

- (3) NAWCADLKE-MISC-48J200-0021.
- (4) NAWCADLKE-MISC-48J200-0011.
- (5) NAWCADLKE-MISC-48J200-0010.

AFS-301 10.0 B,R L

Goal. Supervise the installation of AM-2 matting and accessories.

Requirement. Ensure the AM-2 matting and accessories are installed, marked and anchored in accordance with the references.

Performance Standard. Provide the Maintenance/Asst. Maintenance Officer the NAVAIR certification inspection checklist for review.

Prerequisite

- (1) AFS 201.
- (2) AFS 202.

References

- (1) NAVAIRINST 13800.12_.
- (2) NAVAIR 51-60A-1.
- (3) NAWCADLKE-MISC-48J200-0021.
- (4) NAWCADLKE-MISC-48J200-0011.
- (5) NAWCADLKE-MISC-48J200-0010.

AFS-302 5.0 B L

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

Requirement. Manage packaging of matting, accessories, and non standard packages.

Performance Standard. Ensure AM-2 mat packs and nonstandard packages are 100% complete per the references.

Pre-requisite. AFS 203.

References

- (1) NAVAIR 51-60A-1.
- (2) NAWCADLKE-MISC-48J200-0011.
- (3) SRVC CHNG 72.

AFS-303 0.5 B L

Goal. Supervise maintenance inspection of AM-2 matting and accessories.

Requirement. Ensure maintenance inspection checklist is performed in accordance with the Local Maintenance Requirement Cards (MRCs).

AFL-323 1.0 B L

Goal. Supervise EAF lighting and marking components installation.

Requirement. Ensure discrepancies have been identified and annotated on a VIDS/MAF corrective maintenance is performed.

Performance Standard. Ensure all certification standards are met per the references.

References

- (1) NAVAIR 51-40ABA-7.
- (2) NAVAIR 51-40ABA-7.1.
- (3) NAVAIR 51-50ABA-16.
- (4) NAWCADLKE-MISC-48J200-0012.
- (5) NAWCADLKE-MISC-48J200-0020.
- (6) NAWCADLKE-MISC-49J200-0063.

AFL-324 0.5 B S/L

Goal. Coordinate logistical support for airfield lighting installation, operation, and maintenance.

Requirement. Identify and request for external logistical support.

Performance Standard. Given a scenario plan logistical support IAW squadron SOP with 100% accuracy per the references.

Reference

- (1) Local SOP.

AFL-325 2.0 B L

Goal. Supervise operations of EAF Lighting components.

Requirement. Manage personnel utilizing EAF lighting.

Performance Standard. Project completion with 100% accuracy per the references.

References

- (1) NAVAIR-51-40ABA-7.
- (2) NAVAIR-51-40ABA-14.
- (3) NAWCADLKE-MISC-48J200-12.
- (4) NAWCADLKE-MISC-48J200-20.
- (5) NAWCADLKE-MISC-49J200-63.

AFL-326 2.0 B L

Goal. Supervise maintenance and scheduled inspections of EAF lighting components.

Requirement. Ensure discrepancies have been identified and annotated on a VIDS/MAF corrective maintenance is performed.

Performance Standard. Ensure all certification standards are met per the references.

References

- (1) MRC 4922/RF8-61.
- (2) MRC 51-50ABA-16-1.
- (3) MRC51-50ABA-16-2.
- (4) NAVAIR-51-40ABA-7.
- (5) NAVAIR-51-40ABA-14.
- (6) NAVAIO 51-50ABA-16.
- (7) NAVAIR 51-40ABA-7.1.
- (8) NAWCADLKE-MISC-48J200-12.
- (9) NAWCADLKE-MISC-48J200-20.
- (10) NAWCADLKE-MISC-49J200-63.

4. Arresting Gear (ARG)

a. Purpose. To develop advanced knowledge and proficiency in the installation and maintenance of arresting gear. Upon completion of this training, the EAF Technician will be able to maintain advanced EAF arresting gear in support of fixed wing aircraft operations.

b. Prerequisite. Complete the 200-level of this syllabus.

c. Live and Simulator Event Training: 7 Events, 39 Hours.

ARG-341 4.0 B,R L

Goal. Supervise an MCEAG installation.

Requirement. Supervise EAF technicians installing MCEAG.

Performance Standard. Ensure installation of MCEAG is conducted IAW the references and certification criteria is met.

References

- (1) NAVAIR-51-5FAA-1.
- (2) NAVAIR-51-5FAA-2.
- (3) NAVAIR-51-5FAA-3.
- (4) NAWCADLKE-MISC-48J200-0070.
- (5) NAVINST 13800.12_.

ARG-342 2.0 B L

Goal. Supervise a MCEAG arrestment operation.

Requirement. Ensure Runway Crew performs pre-operational inspection, conduct arrestment procedures and perform post-operational inspections.

Performance Standard. Ensure supervision of arrestment are conducted IAW the references.

References

- (1) NAVAIR 51-5FAA-1.
- (2) NAVAIR 51-5FAA-3.
- (3) NAVAIR 00-80T-113.

ARG-343 4.0 B L

Goal. Supervise MCEAG maintenance.

Requirement. Ensure Runway Crew performs maintenance on MCEAG and make adjustments as needed.

Performance Standard. Perform requirements IAW the references.

References

- (1) NAVAIR-51-5FAA-1.
- (2) NAVAIR 51-5FAA-2.

ARG-344 3.0 B L

Goal. Inspect MCEAG packages for shipment.

Requirement. Ensure MCEAG systems and accessories are packaged and ready for embarkation.

Performance Standard. Perform requirements IAW the reference.

Reference

- (1) NAVAIR-51-5FAA-1.
- (2) NAVAIR-51-5FAA-2.

ARG-345 24.0 B L

Goal. Perform duties of the Runway Crew Leader.

Requirement. Ensure the following are met:

- (1) Employ, operate, and maintain EAF equipment IAW applicable references.
- (2) Supervise and train Runway Crew personnel in the daily EAF operational functions.

Prerequisite

- (1) AFS-201.
- (2) AFS-204.
- (3) AFS-301.

References

- (1) NAVAIR 51-60A-1.
- (2) NAWCADLKE MISC-48J200-0029.
- (3) NAWCADLKE MISC-48J200-0011.
- (4) NAVAIR 13800.12_.

MMGT-372 _ 2.0 B,R L

Goal. Perform an expeditionary certification on the MCEAG.

Requirement. Demonstrate the ability to certify the MCEAG utilizing the MCEAG certification check list.

Performance Standard. Complete the MCEAG certification checklist IAW the references.

Prerequisite

- (1) ARG 341.
- (2) ARG 343.
- (3) ARG 346.

References

- (1) NAVAIR 51-5FAA-1.
- (2) NAVAIR 51-5FAA-2.
- (3) NAVAIR 51-5FAA-3.
- (4) NAWCADLKE MISC-48J200-0070.

MMGT-373 _ 1.0 B,R L

Goal. Perform an expeditionary certification on EAF Lighting and Marking.

Requirement. Demonstrate the ability to certify EAF Lighting and Marking utilizing the certification check list.

Performance Standard. Complete the EAF Marking and Lighting certification checklist IAW the references.

Prerequisite

- (1) AFL 219.
- (2) AFL 220.
- (3) AFL 221.

References

- (1) NAVAIR 51-50ABA-7.
- (2) NAVAIR 51-50ABA-7.1.

- (3) NAVAIR 51-50ABA-14.
- (4) NAWCADLKE MISC-48J200-0012.
- (5) NAWCADLKE-MISC-48J200-0020.
- (6) NAWCADLKE-MISC-48J200-0063.
- (7) NAEC-ENG-7390_.
- (8) NAVAIRINST 13800.12_.

MMGT-374 1.0 B L

Goal. Prepare and present a briefing on EAF capabilities.

Requirement. Have a working knowledge of EAF assets capabilities and their limitations.

Performance Standard. Present detailed brief outlining EAF capabilities IAW the references.

References

- (1) TBA.
- (2) NAVMC-2907.

MMGT-375 1.0 B L

Goal. Identify EAF communication equipment requirements.

Requirement. Ensure essential communication equipment supports the daily operational function of EAF.

Performance Standard. Ensure all essential communication equipment is provided IAW the references.

References

- (1) Radio Manual.
- (2) Local SOP.

MMGT-376 48.0 B L

Goal. Supervise the installation of a High Power Run-Up (HPRU).

Requirement. Supervise EAF Technicians installing a HPRU.

Performance Standard. Ensure the installation of HPRU is conducted IAW the references and the certification criteria is met.

Prerequisite. AFS-306.

Ordnance

- (1) M130 Blasting Cap.
- (2) MD58.

References

- (1) NAVAIR 51-60A-1.

- (2) NAWCADLKE-MISC-48J200-0011.
- (3) NAVSEA-OP3565.

310. CORE PLUS TRAINING

1. General

a. This phase applies advanced management skills and information obtained in the Core Skill Plus phase (400-level) while assigned to a MWSS under the direct supervision of the Maintenance Officer while in a Supervisory position. Individual core skills are learned and mastered using a mix of live aircraft and simulation. This phase is achieved when the EAF Technician has proficiently completed all maintenance management requirements.

b. Core Skill Basic Stages

- (1) Battle Management Training (BMT).
- (2) Crew Management Training (CMT).

2. Battle Management Training (BMT)

a. Purpose. To develop advanced proficiency in Battle Management Training as a Maintenance Manager for an EAF Section. Upon completion of this training, the EAF Technician will be able to manage the support for an aircraft squadron.

b. Live and Simulated Event Training: 4 events, 9 hours.

BMT-400	1.0	B	L
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Goal. Participate in Joint Operations Planning.

Requirement. Attend Joint Operation Planning process.

Performance Standard. Conduct conformation brief.

BMT-401	2.0	B	L
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Goal. Participate in Base Recovery After Attack (BRAAT) planning.

Requirement. Attend BRAAT training and or planning conference.

Performance Standard. Assigned as a section BRAAT representative.

Reference. DDR 91-1201_.

BMT-402	4.0	B	L
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Goal. Prepare Memorandums of Understanding (MOU), Memorandums of Agreement (MOA) as it pertains to AES procedures and agreements.

Requirement. Complete the following:

- (1) Identify coordination requirements and signatures.

CMT-423 0.5 B,R S/L

Goal. Coordinate logistical support for installation and maintenance of EAF Equipment.

Requirement. Ensure a Logistical Support Request is submitted to S-3/S-4.

Performance Standard. Given a scenario, plan logistical support IAW squadron SOP with 100% accuracy.

311. INSTRUCTURE TRAINING PHASE. There is no requirement for an EAF section within an MWSS to have instructors.

312. QUALIFICATIONS, REQUIREMENTS, AND DESIGNATIONS PHASE

1. General

a. This phase contains tracking codes designed to facilitate training management. This level also provides community standardization for combat leadership designation. CRP is not awarded for 600 level events.

b. Tracking codes will be logged upon being qualified/designated in writing by the commanding officer; upon filing the letter in the EAF Technician's IPR, and once all administrative actions are completed. The squadron's WTI shall review the IPR and staff the recommendation to the commanding officer.

2. Qualifications (QUAL)

a. Purpose. To track completion of admin qualifications. Refer to the course of instruction for the requirements of each admin qualification being tracked.

b. Admin qualification codes do not constitute events themselves. Rather, they serve to track completion of training that is not core skill but contributes to the readiness of an EAF branch. Admin qualifications will be effective upon completion of the requirements; the official documentation (i.e. license or certificate) has been signed by the commanding officer, filed in the EAF technician's IPR, and the entry logged. Requirements for maintaining qualifications are detailed in the Aviation T&R Program Manual.

QUAL-600

Goal. Tracking code for HMMWV license.

Requirement. Complete required HMMWV course per the reference.

Prerequisite. Per MCO 11240.66_ complete the following MarineNet courses:

- (1) 3503AO.
- (2) 3504AO.
- (3) 3505AO.
- (4) 3506AO.
- (5) 3507AO.

- (6) 3508AO.
- (7) 3509AO.

QUAL-601

Goal. Tracking code for CPR certification.

Requirement. Complete required CPR course. File a copy of the CPR card in the EAF Technician's IPR.

Prerequisite. Complete the CPR course offered by an accredited entity.

3. Designations (DESG)

a. Purpose. To track the designation of combat leaders, and essential maintenance management supervisors.

b. All syllabus training requirements for a specific designation must be completed prior to being designated. Training management personnel shall log final designation codes once designated by the commanding officer.

DESG-616

Goal. Tracking code for EAF Services Chief, Assistant Maintenance Officer (AMO) designation.

Requirement. Complete AMO syllabus. Designated by the CO or the MO.

Prerequisite. Complete the following events: AFS-300, AFS-301, AFS-302, AFS-303, AFS-304, AFS-305, AFL-322, AFL-323, AFL-324, AFL-326, ARG-341, ARG-342, ARG-343, ARG-346, MMGT-363, MMGT-364, MMGT-365, MMGT-366, MMGT-367, MMGT-368, MMGT-369, MMGT-370, MMGT-371, MMGT-372, MMGT-373, MMGT-375, MMGT-376.

DESG-617

Goal. Tracking code for Quality Assurance (QA).

Requirement. Complete the QA syllabus.

Prerequisite. Complete the following events: AFS-200, AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, MMGT-251, MMGT-252, AFS-300, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-324, AFL-326, ARG-341, ARG-342, ARG-343, ARG-344, ARG-345, ARG-346, ARG-347, MMGT-363, MMGT-367, MMGT-369, MMGT-370, MMGT-371, MMGT-372, MMGT-373, Pass QA evaluation IAW NATOPS.

DESG-618

Goal. Tracking code for Production Control (PC).

Requirement. Complete the PC syllabus.

Prerequisite. Complete the following events: AFS 202, AFS-203, AFS-204, AFL-220, AFL-221, MMGT-251, MMGT-252, AFS-300, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-324, AFL-325, AFL-326, ARG-341, ARG-342, ARG-343, ARG-344, ARG-345, ARG-346, ARG-347, MMGT-363, MMGT-370, MMGT-375, Pass Q.A.R. evaluation IAW NATOPS.

DESG-619

Goal. Tracking code for Runway Supervisor (R/W Sup).

Requirement. Complete the R/W Sup Syllabus.

Prerequisite. Complete the following events: AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, ARG-236, MMGT-251, AFS-301, AFS-302, AFS-303, AFS-305, AFL-321, AFL-322, AFL-323, AFL-325, AFL-326, ARG-342, ARG-343, ARG-345, ARG-346, ARG-347, MMGT-370, MMGT-375, Pass Q.A.R. evaluation IAW NATOPS.

DESG-620

Goal. Tracking code for Runway Crew Leader (R/W CLDR).

Requirement. Complete the R/W CLDR syllabus.

Prerequisite. Complete the following events: AFS-201, AFS-202, AFS-203, AFS-204, AFL-219, AFL-220, AFL-221, ARG-236, MMGT-251, AFL-321, AFL-322, AFL-324, AFL-325, AFL-326, ARG-342, ARG-343, ARG-346, MMGT-370, Pass C.D.I. evaluation IAW NATOPS.

313. T&R SYLLABUS MATRIX. The below matrix's summarizes T&R syllabus event information.

EAF TECHNICIAN (MOS 7011)									
100 LEVEL - CORE SKILL INTRODUCTION									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FAM	100	21.0	*	L		B		4.06	
SYS	101	9.0	*	L		B		1.74	
SYS	102	61.0	*	L		B		11.81	
SYS	103	113.0	*	L		B		21.87	
SYS	104	79.0	*	L		B		15.29	
SYS	105	27.0	*	L		B		5.23	
TOTAL HRS:		310.0						60%	CRP

EAF TECHNICIAN (MOS 7011)									
200 LEVEL - CORE SKILL BASIC									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
AFS	200	2.0	*	L		B		1.54	
AFS	201	2.0	365	L		B,R		4.62	
AFS	202	0.5	*	L		B		.38	
AFS	203	2.0	*	L		B		1.54	
AFS	204	2.0	*	L/S		B		1.54	
AFL	219	2.0	365	L		B,R		1.54	
AFL	220	2.5	*	L		B		1.92	
AFL	221	2.5	*	L		B		1.92	
ARG	236	0.5	*	L		B		.38	
MMGT	251	0.5	*	L/S		B		.38	
MMGT	252	1.0	*	L		B		.77	
TOTAL HRS:		17.5						15%	CRP

EAF TECHNICIAN (MOS 7011)									
300 LEVEL - CORE SKILL ADVANCED									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
AFS	300	2.0	730	L		B,R		.23	
AFS	301	10.0	365	L		B,R		1.13	
AFS	302	5.0	*	L		B		.56	
AFS	303	0.5	*	L		B		.06	
AFS	304	2.0	*	L/S		B		.23	
AFS	305	2.0	*	L/S		B		.23	
AFS	306	48.0	*	L		B		.41	
AFL	321	1.0	*	L		B		.11	
AFL	322	2.0	*	L/S		B		.23	
AFL	323	1.0	*	L		B		.11	
AFL	324	0.5	*	L/S		B		.06	
AFL	325	2.0	*	L		B		.23	
AFL	326	2.0	*	L		B		.23	
ARG	341	4.0	730	L		B,R		.45	
ARG	342	2.0	*	L		B		.23	
ARG	343	4.0	*	L		B		.45	
ARG	344	3.0	*	L		B		.34	
ARG	345	24.0	*	L		B		2.70	
ARG	346	1.0	*	L		B		.11	
ARG	347	1.0	*	L/S		B		.11	
MMGT	363	24.0	*	L		B		2.70	
MMGT	364	12.0	365	L		B,R		1.35	
MMGT	365	4.0	1095	L		B,R		.45	
MMGT	366	0.5	365	L		B,R		.06	
MMGT	367	3.0	730	L/S		B,R		.34	
MMGT	368	2.0	730	L/S		B,R		.23	
MMGT	369	2.0	730	L/S		B,R		.23	
MMGT	370	2.0	*	L		B		.23	

EAF TECHNICIAN (MOS 7011)									
300 LEVEL - CORE SKILL ADVANCED									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
MMGT	371	2.0	730	L		B,R		.23	
MMGT	372	2.0	730	L		B,R		.23	
MMGT	373	1.0	730	L		B,R		.11	
MMGT	374	1.0	*	L		B		.11	
MMGT	375	1.0	*	L		B		.11	
MMGT	376	48.0	*	L		B		.45	
TOTAL HRS:		221.0						20%	CRP

EAF TECHNICIAN (MOS 7011)									
400 LEVEL - CORE PLUS									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
BMT	400	1.0	*	L		B		.06	
BMT	401	2.0	*	L		B		.11	
BMT	402	4.0	*	L		B		.23	
BMT	403	2.0	*	L		B		.11	
CMT	418	6.0	*	L		B		1.07	
CMT	419	6.0	*	L		B		1.07	
CMT	420	6.0	*	L		B		1.07	
CMT	421	6.0	*	L		B		1.07	
CMT	422	3.0	*	L		B		.17	
CMT	423	0.5	*	L		B		.03	
TOTAL HRS:		36.5						5%	CRP

314. SYLLABUS EVALUATION FORM. See appendix A for the syllabus evaluation forms.

315. SIMULATOR MISSION ESSENTIAL SUBSYSTEMS MATRIX (MESM). Currently, MESM is not applicable to this syllabus.

316. EVENT CONVERSION MATRIX. The event conversion matrix provides a comparison for all events in this EAF Technician syllabus as they correspond to the previous EAF Technician syllabus that this chapter replaced.

NEW EVENT #	NEW GOAL	OLD EVENT #
100 LEVEL EVENTS		
FAM-100	Familiarize students with the NAMP.	T&E-100
SYS-101	Utilize and maintain EAF comm. systems.	T&E-101
SYS-102	Utilize EAF Surfaces.	T&E-102
SYS-103	Utilize Arresting Gear.	T&E-103, MCEAG-123 MCEAG-124, MCEAG-125
SYS-104	Utilize EAF Lighting systems.	T&E-104
SYS-105	Embarkation of EAF Equipment.	MMGT-105
DELETED 100 LEVEL EVENTS		
MMGT-106, COMM-107, COMM-108, COMM-109, MPF-110, AM2-111, AM2-112, AM2-113, AM2-114, AFLM-115, AFLM-116, FLOLS-117, FLOLS-118, MCEAG-119, MCEAG-120, MCEAG-121, MCEAG-122, E28-126, E28-127, E28-128		

NEW EVENT #	NEW GOAL	OLD EVENT #
200 LEVEL EVENTS		
AFS-200	Load mat packages for shipment on MPS.	MPF-205
AFS-201	Install AM-2 matting and accessories.	AM2-206
AFS-202	Perform a maintenance inspection on an AM-2 matting installation.	AM2-207
AFS-203	Remove and repackage AM-2 matting and accessories.	AM2-208
AFS-204	Conduct a Soil Analysis.	COMM-204
AFL-219	Install EAF lighting/marketing components with or without L-95.	AFLM-209
AFL-220	Perform scheduled FLOLS inspections.	FLOLS-210
AFL-221	Maintain and inspect airfield lighting and markings.	NEW
ARG-236	Operate and maintain organic comm. Equipment.	COMM-202
MMGT-251	Complete a VIDS/MAF form.	MMGT-200
MMGT-252	Perform the duties of TPL.	MMGT-201
DELETED 200 LEVEL EVENTS		
COMM-203, MCEAG-211, MCEAG-212, MCEAG-213, MCEAG-214, MCEAG-215, MCEAG-216, MCEAG-217		

NEW EVENT #	NEW GOAL	OLD EVENT #
300 LEVEL EVENTS		
AFS-300	Conduct site survey for an AM-2 matting installation.	AM2-305
AFS-301	Supervise the installation of AM-2 matting and accessories.	AM2-306
AFS-302	Supervise the removal and repackaging of AM-2 matting and accessories.	AM2-307
AFS-303	Supervise maintenance inspection of AM-2 matting and accessories.	AM2-308
AFS-304	Plan for installation of airfield revetments.	AM2-309
AFS-305	Coordinate logistical support for installation and maintenance of EAF Equipment.	AM2-310
AFS-306	Install HPRU.	HPTU-333
AFL-321	Supervise scheduled FLOLS inspections.	FLOLS-311
AFL-322	Coordinate logistical support for FLOLS Installation, operation and maintenance.	FLOLS-312
AFL-323	Supervise EAF lighting and marking component installation.	AFLM-313
AFL-324	Coordinate logistical support for airfield lighting installation, operation and maintenance.	AFLM-314
AFL-325	Supervise the operation of EAF lighting components.	OPS-324
AFL-326	Supervise the maintenance and scheduled inspections of EAF lighting Components.	SLRP-325
ARG-341	Supervise MCEAG installation.	MCEAG-315

NEW EVENT #	NEW GOAL	OLD EVENT #
300 LEVEL EVENTS		
ARG-342	Supervise MCEAG operations.	MCEAG-316
ARG-343	Supervise MCEAG maintenance.	MCEAG-317
ARG-344	Inspect MCEAG packages for shipment.	MCEAG-318
ARG-345	Perform duties of the runway crew leader.	MCEAG-319
ARG-346	Supervise scheduled MCEAG inspection.	MCEAG-320
ARG-347	Coordinate logistical support for MCEAG installation, operation and maintenance.	MCEAG-321
MMGT-363	Perform the duties of the work center supervisor.	MMGT-300
MMGT-364	Prepare O&M,N and O&M, MC, fiscal requirements in support of the EAF program.	MMGT-301
MMGT-365	Prepare EAF portion of AOM.	MMGT-302
MMGT-366	Prepare in detail available EAF capabilities aboard MPS.	MPF-303
MMGT-367	Design an airfield/landing zones utilizing EAF assets.	AM2-304
MMGT-368	Coordinate personnel and equipment in support of current Op plans.	OPS-323
MMGT-369	Conduct a site survey identifying EAF requirements.	NEW
MMGT-370	Evaluate and monitor training of EAF personnel.	TRNG-326
MMGT-371	Perform expeditionary cert on an AM-2 matting installation.	CERTAM2-327
MMGT-372	Perform expeditionary certification on MCEAG.	CERTAG-328
MMGT-373	Perform expeditionary certification on EAF Lighting and Marking.	CERTLM-329
MMGT-374	Prepare and present briefing on EAF capabilities.	BRIEF-330
MMGT-375	Identify EAF comm. equipment requirements.	COMM-331
MMGT-376	Supervise the installation of a HPRU.	HPTU-339
DELETED 300 LEVEL EVENTS		
PLNG-332, MCEAG-322		

NEW EVENT #	NEW GOAL	OLD EVENT #
400 LEVEL EVENTS		
BMT-400	Participate in Joint Operation Planning.	JTOPS-400
BMT-401	Participate in BRAAT planning.	BRAAT-401
BMT-402	Prepare MOU, MOA as it pertains to AES procedures and agreements.	NEW
BMT-403	Coordinate the employment of AES assets within MPF.	NEW
CMT-418	Request and perform "Expeditionary Certification" on HPRU installation.	HPTU-402
CMT-419	Request and perform an "Expeditionary Certification" of EAF surfacing system.	NEW
CMT-420	Request and perform an "Expeditionary Certification" of MCEAG systems.	NEW

NEW EVENT #	NEW GOAL	OLD EVENT #
400 LEVEL EVENTS		
CMT-421	Request and perform an "Expeditionary Certification" of EAF Visual Landing Aids.	NEW
CMT-422	Request and perform an "Expeditionary Certification" of EAF marking and lighting.	NEW
CMT-423	Coordinate logistical support for installation and maintenance of EAF Equipment.	NEW

NEW EVENT #	NEW GOAL	OLD EVENT #
600 LEVEL EVENTS		
QUAL-600	Tracking code for HMMWV license.	NEW
QUAL-601	Tracking code for CPR certification.	NEW
DESG-616	Tracking code for EAF Services Chief, AMO designation.	NEW
DESG-617	Tracking code for QA.	NEW
DESG-618	Tracking code for PC.	NEW
DESG-619	Tracking code for R/W Sup.	NEW
DESG-620	Tracking code for R/W CLDR.	NEW

CHAPTER 4

AIRCRAFT, RESCUE AND FIREFIGHTING (ARFF) SPECIALIST
(MOS 7051)

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CHAPTER 4

AIRCRAFT, RESCUE AND FIREFIGHTING (ARFF) SPECIALIST
(MOS 7051)

400. ARFF (7051) TRAINING AND READINESS REQUIREMENTS. This T&R syllabus is based on specific goals and performance standards designed to ensure individual proficiency in core skills. The goal of this chapter is to develop individual and unit warfighting capabilities. This T&R manual represents the collaborative effort of subject matter experts who designed training standards to maximize the full combat capabilities of the ARFF Specialist. These standards, intrinsic in the core competency section, describe and define individual capabilities and requirements necessary to attain and maintain proficiency in core skills and combat leadership. Training events are based on specific requirements and performance standards to ensure personnel maintain a common base of training and depth of combat capabilities. Together, the T&R manual comprises a building block approach to ensure that trained ARFF Specialists remain ready, relevant, and fully capable of supporting the units' mission.

401. TRAINING PROGRESSION MODEL. This ARFF Specialist training progression model represents training progression for the average (7051) in terms of core skills, qualification and designation attainment (see figure 4-1). Units should use the model as a point of departure to generate individual training plans.

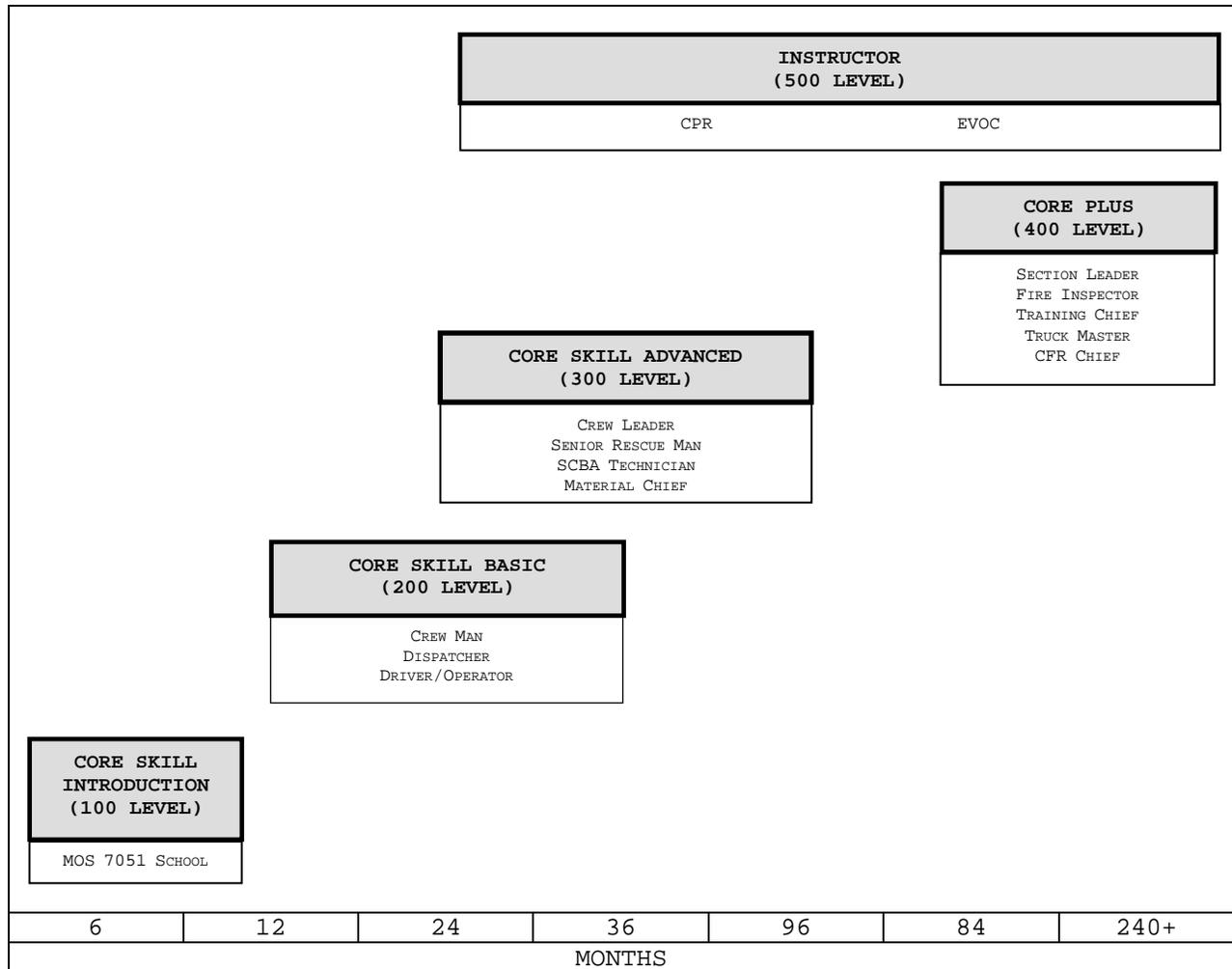


Figure 4-1. ARFF Specialist Training Progression Model

402. INDIVIDUAL CORE SKILL PROFICIENCY (CSP) REQUIREMENTS. A CSP crew consists of individuals representing each crew position who have achieved and currently maintain Individual CSP. In order to be considered proficient in a core skill, an individual must attain and maintain proficiency in core skill events as delineated in the below paragraphs.

1. Events Required to Attain Individual CSP. To initially attain CSP in a specific core skill, an individual must simultaneously have a proficient status in all 200-300 level T&R events for that core skill.

INDIVIDUAL CSP ATTAIN TABLE								
	DVOP	FFOA	FFOB	FFOC	FFOI	FFOL	INSP	
ARFF Specialist (MOS 7051)	204R	210	200	214	207	212	215	
	205	211	201		208	213		
	206			202		209	303	
				203		302		
				300				
				301				

R = Refresher Event

2. Events Required to Maintain Individual CSP. To maintain CSP in a specific core skill, an individual must maintain proficiency in all 200-300 level T&R events for that core skill.

INDIVIDUAL CSP MAINTAIN TABLE							
ARFF Specialist (MOS 7051)	DVOP	FFOA	FFOB	FFOC	FFOI	FFOL	INSP
	204R						
R = Refresher Event							

3. Events Required to Attain Individual Proficiency in Core Plus Skills. Proficiency in core plus skills is not required to obtain unit CSP. Training to core plus skills is at the discretion of the unit commanding officer. To attain proficiency in a core plus skill, an individual must be proficient status in all T&R events listed for that core plus skill.

INDIVIDUAL CORE PLUS SKILL ATTAIN TABLE							
ARFF Specialist (MOS 7051)	DVOP	FFOA	FFOB	FFOC	FFOI	FFOL	INSP
	403	406	400R		405	407	408
	404		401				
			402				
R = Refresher Event							

4. Events Required to Maintain Individual Proficiency in Core Plus Skills. To maintain proficiency in a core plus skill, an individual must maintain proficiency in all 400 level T&R events for that core plus skill.

INDIVIDUAL CORE PLUS SKILL MAINTAIN TABLE							
ARFF Specialist (MOS 7051)	DVOP	FFOA	FFOB	FFOC	FFOI	FFOL	INSP
			400R				
R = Refresher Event							

403. QUALIFICATION AND DESIGNATION TABLES. The tables below delineate T&R events are required to be completed to attain initial qualifications, to re-qualify, and to attain designations. All stage lectures, briefs, squadron training, and prerequisites shall be complete prior to completing final events. Qualification and designation letters signed by the commanding officer shall be placed in the Marine's individual performance records (IPR). Loss of proficiency in all qualification events causes the associated qualification to be lost. Regaining a qualification requires completing all R-coded syllabus events associated with that qualification.

1. Qualification. A qualification is assigned based on demonstrated proficiency in a specific skill.

MOS 7051 QUALIFICATIONS				
Qualification	Tracking Code	Requirements		
		200	300	600
Dispatcher	QUAL-600	FFOB-200 FFOB-201 FFOB-202 FFOB-203	FFOB-300 FFOB-301	
Firefighter Technician	QUAL-601	FFOB-200 FFOB-201 FFOB-202 FFOB-203	FFOB-300 FFOB-301	RQMT-608 RQMT-609 RQMT-611 RQMT-612 RQMT-613 RQMT-614
Driver/Operator	QUAL-602	DVOP-204R DVOP-205 DVOP-206		RQMT-611 RQMT-613 RQMT-614 RQMT-615 RQMT-616 RQMT-617
Crew Leader	QUAL-603	FFOI-207 FFOI-208 FFOI-209	FFOI-302	QUAL-601
Rescue Technician	QUAL-604	FFOA-210 FFOA-211		QUAL-603
Section Leader	QUAL-605	FFOL-212 FFOL-213	FFOL-303	QUAL-604
F&ES Chief	QUAL-606	FFOC-214		QUAL-605
Fire Inspector	QUAL-607	INSP-215		QUAL-605

2. Designation. A designation is a status assigned by the commanding officer to an individual based on leadership ability. It is command specific and remains in effect until removed for cause, transferred, or rescinded at the commander's discretion. Commanders are encouraged to consider the individual designation requirements noted below prior to designating an individual. Once an individual is designated, commanders shall issue a designation letter for inclusion into the Marine's IPR. Follow-on commands shall repeat the "initial documentation procedure".

MOS 7051 DESIGNATIONS		
Designation	Tracking Code	Requirements
Crew Leader	DESG-622	QUAL-603 (FFOI-207, FFOI-208, FFOI-209, FFOI-302, QUAL-601)
Section Leader	DESG-623	QUAL-605 (FFOL-212, FFOL-213, FFOL-303, QUAL-604)
Fire Inspector	DESG-624	QUAL-607 (INSP-215, QUAL-605)

404. ARFF SPECIALIST (7051) PROGRAMS OF INSTRUCTION (POI)

1. Training Progression Philosophy. ARFF training is unique amongst other MOS training because of the requirement to function in both a tactical and civilian emergency services environment simultaneously. ARFF provides a unique capability to the Marine Aviation Combat Element. The extensive training and qualification requirements which ARFF Marines are required to meet, under both Federal, DoD, local SOP and civilian agencies ensures the ability of Marine Aviation to operate safely and accomplish any assigned mission.

a. This training progression philosophy applies to all ARFF Marines in the Marine Corps Total Force.

b. The ARFF progression model provides a progression of certifications, qualifications, and designations within a unit. The emphasis of this model is on personnel certifications and designations in Core Skill Basic and Core Skill Advanced stages. With this model, training officers have the guidance needed to produce viable training plans. Units should use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

2. BASIC POI

<u>Months</u>	<u>Phase</u>	<u>Activity</u>
0-6	Core Skill Introduction	DoD Fire Academy, Goodfellow AFB, TX
12-36	Core Skill Basic	MWSS
24-96	Core Skill Advanced	MWSS
84-240	Core Plus	MWSS

3. REFRESHER POI

<u>Hours</u>	<u>Phase</u>	<u>Activity</u>
3	Core Skill Basic	MWSS
0	Core Skill Advanced	MWSS
72	Core Plus	MWSS

405. ACADEMIC/GROUND TRAINING

1. Academic training shall be conducted for each phase/stage of the syllabus. Commanders are strongly encouraged to incorporate the lectures into their training plans. Standardized academic training materials exist and may be obtained from the sponsoring activity.

2. External academic courses of instruction available to complete the syllabus are listed below:

<u>Course</u>	<u>Activity</u>
Fire Inspector I	DOD Fire Academy, Goodfellow AFB TX
Fire Inspector II	DOD Fire Academy, Goodfellow AFB TX
Fire Inspector III	DOD Fire Academy, Goodfellow AFB TX
Fire Marshal	DOD Fire Academy, Goodfellow AFB TX
Fire Officer II	DOD Fire Academy, Goodfellow AFB TX
Fire Officer III	DOD Fire Academy, Goodfellow AFB TX
Fire Officer IV	DOD Fire Academy, Goodfellow AFB TX
HazMat WMD	DOD Fire Academy, Goodfellow AFB TX
Instructor III	DOD Fire Academy, Goodfellow AFB TX

Rescue Technician I
Rescue Technician II

DOD Fire Academy, Goodfellow AFB TX
DOD Fire Academy, Goodfellow AFB TX

406. SYLLABUS NOTES. List notes, policies, and guidelines applicable to the T&R syllabus if required.

1. The purpose of this section is to provide the commander with standardized programs of instruction for all ARFF Specialists. 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 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, training managers can construct and execute an effective training plan that supports unit MCTLs.

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 in order to accomplish their wartime mission. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, *Unit Training Management (UTM) Guide*, and form the basis for the development of this T&R Directive. 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. AES personnel are often assigned Fleet Assistance Program (FAP) or Temporary Additional Duty (TAD) assignments in order to provide additional training opportunities. Gaining commands shall provide training for FAP/TAD Marines within the provisions of the applicable T&R manual, as able. Reference NAVMC 3500.14, par 103.3.b..

407. CORE SKILL INTRODUCTION TRAINING

1. General

a. The purpose of the 100 level syllabus (entry-level) is to introduce the ARFF Marine to the emergency medical services, basic structural and airport firefighting operations, and hazardous materials response. During this level of training the Marine will become familiar with mission requirements and associated equipment required to provide Airfield Emergency Services (AES). The specific training events and instruction are in accordance with and governed by the latest approved Programs of Instruction conducted at the Department of Defense Joint Fire Protection Academy at Goodfellow Air Force Base, Texas.

b. Prerequisites. The Marine shall be no shorter than 64 inches and have a GT no lower than 105. Before attending training, the Marine shall receive and pass a physical examination in accordance with NFPA 1582.

c. Core Skill Basic Stage. Basic Fire Operations and Dispatching (FFOB).

2. Basic Fire Operations and Dispatching (FFOB)

a. Purpose

(1) To certify the ARFF Marine in the application of basic life saving skills as a First Responder;

(2) To certify the ARFF Marine in basic knowledge and skills as a Firefighter I, Firefighter II, and Airport Firefighter; and

(3) To certify the ARFF Marine to respond at the Hazardous Materials Awareness and Operations levels.

b. Administrative Notes

(1) The First Responder certification requires refresher training every two years following from the date of issuance.

(2) The Hazardous Materials certifications require annual refresher training.

c. Academic Training. The academic training for these events is provided to the ARFF Marine while he is attending the Department of Defense Joint Fire Protection Academy at Goodfellow Air Force Base, Texas.

e. Live and Simulator Event Training: 6 events, 544 hours.

FFOB-100 56.0 B,R L/S

Goal. Achieve certification as DoD First Responder.

Requirement. Complete the following skills:

- (1) Introduction to the Emergency Medical System.
- (2) Airway Management.
- (3) Scene and Patient Assessment.
- (4) Circulation and Cardiopulmonary Circulation.
- (5) Illness and Injury.
- (6) Childbirth and Children.

Performance Standard. In accordance with First Responder: National Standard Curriculum.

Reference. Department of Transportation First Responder: National Standard Curriculum.

FFOB-101 24.0 B L/S

Goal. Achieve certification as Hazardous Materials Awareness.

Requirement. Complete the following skills:

- (1) Analyze a hazardous material emergency incident.
- (2) Implement the planned response to a hazardous material emergency.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 472, Chapter 4.

FFOB-102 164.0 B L/S

Goal. Achieve certification as Firefighter I.

Requirement. Complete the following skills:

- (1) Obtain general knowledge skills of a Firefighter I.
- (2) Perform fire ground operations.
- (3) Conduct rescue operations.
- (4) Perform prevention, preparedness, and maintenance functions.
- (5) Initiate fire department communications.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-101.

Reference. NFPA 1001, Chapter 4.

FFOB-103 32.0 B L/S

Goal. Achieve certification as Hazardous Materials Operations.

Requirement. Complete the following skills:

- (1) Analyze an incident.
- (2) Plan a response.
- (3) Implement a planned response.
- (4) Evaluate response progress.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-101.

Reference. NFPA 472, Chapter 5.

FFOB-104 164.0 B L/S

Goal. Achieve certification as Firefighter II.

Requirement. Complete the following skills:

- (1) Obtain general knowledge skills of a Firefighter II.
- (2) Perform fire ground operations.
- (3) Conduct rescue operations.
- (4) Perform prevention, preparedness, and maintenance functions.
- (5) Initiate fire department communications.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-102, FFOB-103.

Reference. NFPA 1001, Chapter 5.

FFOB-105 104.0 B L/S

Goal. Achieve certification as Airport Firefighter.

Requirement. Complete the following skills:

- (1) Obtain general knowledge skills of Airport Firefighter.
- (2) Perform a response to an airport emergency.
- (3) Suppress an aircraft fire.
- (4) Perform Rescue operations on aircraft emergencies.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-104.

Reference. NFPA 1003, Chapter 6.

408. CORE SKILL BASIC TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Basic phase (200-level) while assigned to a MWSS ARFF Branch, under the direct supervision of certified ARFF personnel. Initial individual core skills are learned using a combination of classroom training and practical application. Training consists of ARFF Driver Operator, Mobile Water Supply, Public Telecommunicator I & II, EVOC certification, Fire Suppression System Operator license, National Incident Management System training and NATOPS training. This phase is completed when the ARFF Marine achieves DoD, Federal Emergency Management Agency (FEMA) thus, making the ARFF Marine proficient in core competencies.

b. Prerequisite. Complete the 100 level of this syllabus.

c. Core Skill Basic Stages

- (1) Basic Fire Operations and Dispatching (FFOB).
- (2) Driving and Operating Apparatus (DVOP).
- (3) Intermediate Fire Operations (FFOI).
- (4) Advanced Fire Operations (FFOA).
- (5) Fire Operations Leaders (FFOL).
- (6) Fire Operations Chief (FFOC).
- (7) Fire Inspections and Prevention (INSP).

2. Basic Fire Operations and Dispatching (FFOB)

a. Purpose

(1) To provide the ARFF Marine with the capability to receive and dispatch alarms.

(2) To provide the ARFF Marine with the fundamentals of the incident management system.

b. Academic Training

(1) Basic academic training for Public Telecommunicator I & II is available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

(2) Basic academic training for the FEMA courses are available online, free of charge at <http://training.fema.gov>.

c. Live and Simulator Event Training; 4 Events, 54 Hours.

FFOB-200 24.0 B L/S

Goal. Achieve certification as Telecommunicator I.

Requirement. Complete the following:

(1) Process any request for emergency services by establishing verbal and nonverbal communications with the requester and extracting pertinent information.

(2) Prepare data for dispatch or referral by evaluating, categorizing, formatting, and documenting the incident by generating reports of requests; analyzing information provided by a service requester; assessing incomplete, conflicting, or inconclusive information or data; evaluating a categorized and prioritized service request; and initiating the timely addition, deletion, and correction of data.

(3) Disseminate information by conveying instructions, information, and directions to the service requester; relay information to other dispatch personnel or entities; and respond to requests for information.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1061, Chapter 4.

FFOB-201 24.0 B L/S

Goal. Achieve certification as Telecommunicator II.

Requirement. Complete the following:

(1) Acquire information from multiple sources requiring emergency services or assistance by monitoring radio systems, electronic data systems and alarm systems.

(2) Analyze, classify, and summarize data for dispatch or referral. And monitor status of resources and determine units for deployment by evaluating incident information; maintaining location

and status of units; analyzing alarm information; assessing the priority of a service request; and formulating a response.

(3) Resolve a request for emergency services by initiating deployment of response units; relay service request information; acquire supplemental information; activating the community emergency action plan; and activating communication center emergency action plan.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-200.

Reference. NFPA 1061, Chapter 5.

FFOB-202	3.0	B	L/S
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Goal. Achieve certification in principles of the Incident Command System (ICS).

Requirement. Complete the course IS-100-Incident Command System (ICS) 100 Training through the Federal Emergency Management Agency.

Performance Standard. In accordance with FEMA policies.

FFOB-203	3.0	B	L/S
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Goal. Achieve certification to operate efficiently during an incident or event within the Incident Command System (ICS) at a basic level.

Requirement. Complete the course IS-200 ICS for Single Resources and Initial Action Incidents through the Federal Emergency Management Agency.

Performance Standard. In accordance with FEMA policies.

Prerequisite. FFOB-202.

3. Driving and Operating Apparatus (DVOP)

a. Purpose

(1) To provide the ARFF Marine with the capability to drive fire apparatus in an emergency or non-emergency status.

(2) To Provide the ARFF Marine with the capability to maintain ARFF apparatus systems and equipment.

(3) To provide the ARFF Marine with the capability to operate ARFF apparatus systems and equipment.

b. Prerequisite. To obtain the M1097A2 FSS license, the Marine must possess the M1043A2 license.

c. Academic Training

(1) Basic academic training for EVOC is provided by NAVSAFCEN certified instructors.

(2) Basic academic training for Driver/Operator ARFF is available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 3 events, 154 hours.

DVOP-204 40.0 B,R L

Goal. Achieve Emergency Vehicle Operators Course (EVOC) certification.

Requirement. The initial attainment of this event is a 40 hour course. Maintaining this event is a 24 hour course tracked as DVOP-602.

- (1) Obey applicable motor vehicle laws and regulations.
- (2) Ensure safe operating practices under normal and emergency conditions.
- (3) Conduct operator inspection and primary preventive maintenance.

Performance Standard. In accordance with NAVSAFCEN requirements.

Prerequisite. RQMT-613, RQMT-615, and RQMT-616.

References. OPNAVINST 5100.12_, NAVSAFCENINST 11240.5_, MCO 5100.19_.

DVOP-205 106.0 B L/S

Goal. Achieve certification as Driver/Operator Aircraft Rescue and Firefighting.

Requirement. Complete the following:

- (1) Perform the routine tests, inspections, and servicing functions of ARFF apparatus.
- (2) Operate a major ARFF apparatus.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. DVOP-204.

Reference. NFPA 1002, Chapters 4 and 9.

DVOP-206 8.0 B L

Goal. Complete M1097A2 Fire Suppression System (FSS) Operator training.

Requirement. Complete the following:

- (1) Prepare the FSS for use.
- (2) Employ the FSS for firefighting.
- (3) Prepare the FSS for storage.
- (4) Conduct inspections and maintain the FSS.

Performance Standard. In accordance with TM 10824A-14&P.

Prerequisite. RQMT-615 and RQMT-616.

4. Intermediate Fire Operations (FFOI)

a. Purpose

(1) To provide the ARFF Marine with the capability to lead prepared periods of instruction.

(2) To provide the ARFF Marine with the capability to support the Fire Inspector's efforts.

(3) To provide the ARFF Marine with the capability to respond offensively to hazardous materials incidents.

b. Prerequisite. QUAL-601.

c. Academic Training. Basic academic training for Fire Instructor I, Fire Inspector I, and Hazardous Materials Technician are available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or at any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 3 Events, 283 Hours.

FFOI-207 48.0 B L

Goal. Achieve certification as Fire Instructor I.

Requirement. Complete the following:

- (1) Management of basic resources.
- (2) Review instructional materials.
- (3) Deliver prepared instructional materials.
- (4) Conduct evaluations and testing.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1041, Chapter 4.

FFOI-208 91.0 B L

Goal. Achieve certification as Fire Inspector I.

Requirement. Complete the following:

- (1) Perform administrative functions.
- (2) Conduct inspections.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1031, Chapter 4.

FFOI-209 144.0 B L

Goal. Achieve certification as Hazardous Materials Technician.

Requirement. Complete the following:

- (1) Conduct scene size-up.
- (2) Plan a response.
- (3) Implement the planned response.
- (4) Evaluate progress.
- (5) Terminate the incident.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOB-103.

Reference. NFPA 472, Chapter 6.

5. Advanced Fire Operations (FFOA)

a. Purpose

(1) To provide the ARFF Marine with the intermediate capability to lead numerous ARFF crews.

(2) To provide the ARFF Marine with the capability to manage hazardous materials incidents.

b. Prerequisite. QUAL-603.

c. Academic Training. Basic academic training for Fire Officer II and Hazardous Materials Incident Commander are available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or at any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 2 Events, 122 Hours.

FFOA-210 98.0 B L

Goal. Achieve certification as Fire Officer II.

Requirement. Complete the following:

- (1) Perform human resource management.
- (2) Maintain community and government relations.
- (3) Perform administrative functions.
- (4) Conduct inspections and investigations.
- (5) Supervise emergency services.
- (6) Apply health and safety regulations.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1021, Chapter 5.

FFOA-211 24.0 B L

Goal. Achieve certification as Hazardous Materials Incident Commander.

Requirement. Complete the following:

- (1) Conduct scene size-up.
- (2) Plan a response.
- (3) Implement the planned response.
- (4) Evaluate progress.
- (5) Terminate the incident.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 472, Chapter 7.

6. Fire Operations Leader (FFOL)

a. Purpose

(1) To provide the ARFF Marine with advanced capability to prepare and lead periods of instruction.

(2) To provide the ARFF Marine with the advanced capability to assist the Fire Inspector in his efforts.

c. Prerequisite. QUAL-604.

d. Academic Training. Basic academic training for Fire Inspector II and Fire Instructor II is available for no cost through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or at a fee from any of the numerous IFSAC or PROBOARD accredited certifying agency.

e. Live and Simulator Event Training: 2 Events, 174 Hours.

FFOL-212 83.0 B L

Goal. Achieve certification as Fire Instructor II.

Requirement. Complete the following:

- (1) Management of basic resources.
- (2) Review instructional materials.
- (3) Deliver prepared instructional materials.
- (4) Conduct evaluations and testing.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1041, chapter 5.

FFOL-213 91.0 B L

Goal. Achieve certification as Fire Inspector II.

Requirement. Complete the following:

- (1) Perform administrative functions.
- (2) Conduct inspections.
- (3) Review building and construction plans.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1031, Chapter 5.

7. Fire Operations Chief (FFOC)

a. Purpose. To provide the ARFF Marine with the capability to manage personnel, the ARFF unit, and large scale, multi-agency responses.

b. Administrative Notes. The course materials for Fire Instructor II and Fire Inspector II are available at no cost from the Air Force institute for Advanced Distance Learning (AIADL).

c. Prerequisite. QUAL-605.

d. Academic Training. Basic academic training for Fire Officer IV is available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or at any IFSAC or PROBOARD accredited certifying agency.

e. Live and Simulator Event Training: 1 Event, 140 Hours.

FFOC-214 140.0 B L

Goal. Achieve certification as Fire Officer IV.

Requirement. Complete the following:

- (1) Perform human resource management.
- (2) Maintain community and government relations.
- (3) Perform administrative functions.
- (4) Conduct inspections and investigations.
- (5) Supervise emergency services.
- (6) Apply health and safety regulations.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1021, Chapter 7.

8. Fire Inspection and Prevention (INSP)

a. Purpose. To provide the ARFF Marine with the ability to serve as the Fire Inspector.

b. Prerequisite. QUAL-605.

c. Academic Training. Basic academic training for Fire Inspector III is available through Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or at any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 1 Event, 91 Hours.

INSP-215 91.0 B L

Goal. Achieve certification as Fire Inspector III.

Requirement. Complete the following:

- (1) Perform administrative functions.
- (2) Conduct inspections.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1031, Chapter 6.

409. CORE SKILL ADVANCED TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Advanced Training phase (300-level) while assigned to a MWSS ARFF Branch, under the direct supervision of certified ARFF personnel. Individual advanced core skills are learned using a combination of classroom training and practical application. Training consists of Fire Officers I and III and two FEMA courses. This phase is completed when the ARFF Marine achieves the required certifications.

b. Core Skill Advanced Stages

- (1) Basic Fire Operations and Dispatching (FFOB).
- (2) Intermediate Fire Operations (FFOI).
- (3) Fire Operations Leader (FFOL).

2. Basic Fire Operations and Dispatching (FFOB)

a. Purpose. To increase the capability of the ARFF Marine to operate in the incident management system.

b. Prerequisite. Complete the FFOB-200 level of this syllabus.

c. Academic Training. Basic academic training for this stage is available free of charge online at <http://training.fema.gov>.

d. Live and Simulator Event Training: 2 Events, 3 Hours.

FFOB-300 3.0 B L/S

Goal. Achieve certification in principles of the National Incident Management System (NIMS).

Requirements. Complete the course IS-700 National Incident Management System (NIMS), an introduction through the Federal Emergency Management Agency (FEMA).

Performance Standard. In accordance with FEMA policies.

FFOB-301 3.0 B L/S

Goal. Achieve certification in principles of the National Response Plan (NRP).

Requirements. Complete the course IS-800.A National Response Plan (NRP), an introduction through the Federal Emergency Management Agency (FEMA).

Performance Standard. In accordance with FEMA policies.

Prerequisite. FFOB-300.

3. Intermediate Fire Operations (FFOI)

a. Purpose. To provide the ARFF Marine the capability to lead and manage an ARFF crew.

b. Prerequisite. QUAL-601 and all 200 level events for FFOI in this syllabus.

c. Academic Training. Basic academic training for this stage is available through the Air Force Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 1 Event, 88 Hours.

FFOI-302 88.0 B L

Goal. Achieve certification as Fire Officer I.

Requirement. Complete the following:

- (1) Perform human resource management.
- (2) Maintain community and government relations.
- (3) Perform administrative functions.
- (4) Conduct inspections and investigations.
- (5) Supervise emergency services.
- (6) Apply health and safety regulations.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1021, Chapter 4.

4. Fire Operations Leader (FFOL)

a. Purpose. To provide the ARFF Marine the capability to lead and manage an ARFF branch.

b. Prerequisite. QUAL-603 and complete the FFOL-200 level of this syllabus.

c. Academic Training. Basic academic training for this stage is available through the Air Force Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

d. Live and Simulator Event Training: 1 Event, 120 Hours.

FFOL-303 120.0 B L

Goal. Achieve certification as Fire Officer III.

Requirement. Complete the following:

- (1) Perform human resource management.
- (2) Maintain community and government relations.
- (3) Perform administrative functions.
- (4) Conduct inspections and investigations.
- (5) Supervise emergency services.
- (6) Apply health and safety regulations.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Prerequisite. FFOA-210 and FFOL-212.

Reference. NFPA 1021, Chapter 6.

410. CORE PLUS TRAINING

1. General

a. This phase applies skills and information obtained in the Core Skill Plus Training phase (400-level) while assigned to a MWSS ARFF Branch, under the direct supervision of certified ARFF personnel. Individual core plus skills are learned using a combination of classroom training and practical application. Training consists of Fire Instructor II & III, Fire Inspector III, Fire Officer III & IV, Hazardous Material Technician, Emergency Medical Technician Basic (EMT-B), Cardiopulmonary Resuscitation (CPR) Instructor, Marine Corps Integrated Maintenance Management System (MIMMS), Respiratory Protection Program Manager (RPPM), Self Contained Breathing Apparatus (SCBA) Technician and Rescue Technician II. This phase is completed when the ARFF Marine achieves certification for the prescribed course; thus, making the ARFF Marine proficient in core plus competencies.

b. Core Skill Advanced Stages

- (1) Basic Fire Operations and Dispatching (FFOB).
- (2) Driving and Operating Apparatus (DVOP).
- (3) Intermediate Fire Operations (FFOI).
- (4) Advanced Fire Operations (FFOA).
- (5) Fire Operations Leader (FFOL).
- (6) Fire Inspections and Prevention (INSP).

2. Basic Fire Operations (FFOB)

a. Purpose

(1) To provide the ARFF Marine with advanced emergency medical response skills.

(2) To provide the ARFF Marine the capability to use the Marine Corps Integrated Maintenance Management System (MIMMS).

(3) To provide the ARFF Marine the capability to perform repairs and maintenance on self-contained breathing apparatus.

b. Prerequisite. 100 level of this syllabus.

c. Academic Training

(1) Basic academic training for EMT-B is available for no cost through most installation medical clinics or at a fee from numerous accredited certifying agencies.

(2) MIMMS training is offered through mobile training teams or regional training areas. Contact the unit MMO for guidance.

(3) SCBA technician training is offered by the manufacturer. Contact the manufacturer for course information.

d. Live and Simulator Event Training: 3 Events, 260 Hours.

FFOB-400	140.0	B,R	L/S
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Goal. Achieve certification as Emergency Medical Technician-Basic (EMT-B).

Requirement. Complete an accredited EMT-B course and pass the testing requirements.

Performance Standard. In accordance with state or national EMT-B requirements.

Prerequisite. RQMT-612.

FFOB-401	80.0	B	L
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Goal. Achieve certification in the Marine Corps Integrated Maintenance Management System (MIMMS).

Requirement. Complete MIMMS course.

Performance Standard. In accordance with MCO P4790.2_ and TM 4700-15/1_.

FFOB-402 40.0 B L

Goal. Complete Self Contained Breathing Apparatus (SCBA) Technician course.

Requirement. Complete SCBA technician course.

Performance Standard. In accordance with manufacturer's maintenance requirements.

3. Driving and Operating Apparatus (DVOP)

a. Purpose

(1) To Provide the ARFF Marine with the capability to maintain mobile water supply and pumper systems and equipment.

(2) To provide the ARFF Marine with the capability to operate mobile water supply and pumper systems and equipment.

b. Administrative Notes. The course materials for Driver/Operator Mobile Water Supply and Pumper are available from the Air Force institute for Advanced Distance Learning (AIADL).

c. Prerequisite. QUAL-601.

d. Academic Training. Basic academic training for Driver/Operator Mobile Water Supply and Pumper is available through the Career Development Courses offered by the Air Force Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

e. Live and Simulator Event Training: 2 Events, 212 Hours.

DVOP-403 106.0 B L/S

Goal. Achieve certification as Driver/Operator Mobile Water Supply.

Requirement. Complete the following:

- (1) Perform the routine tests, inspections, and servicing functions of mobile water supply apparatus.
- (2) Operate mobile water supply apparatus.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1002, Chapters 4 and 10.

DVOP-404 106.0 B L/S

Goal. Achieve certification as Driver/Operator Pumper.

Requirement. Complete the following:

- (1) Perform the routine tests, inspections, and servicing functions of pumper apparatus.
- (2) Operate pumper apparatus.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1002, Chapters 4 and 10.

4. Intermediate Fire Operations (FFOI)

a. Purpose. To provide the ARFF Marine with the capability to respond to technical rescue incidents.

b. Prerequisite. QUAL-603.

c. Academic Training. The Rescue Technician I course is only offered at the Department of Defense Joint Fire protection Academy at Goodfellow Air Force Base, Texas.

d. Live and Simulator Training Events: 1 Event, 120.0 Hours.

FFOI-405 120.0 B L

Goal. Achieve certification as Rescue Technician I.

Requirement. Complete the following:

- (1) Conduct rope rescue.
- (2) Conduct vehicle and machinery rescue.
- (3) Conduct confined space rescue.
- (4) Conduct surface water rescue awareness.

Performance Standard. In accordance with DoD Fire Academy policy.

Reference. NFPA 1006, Chapters 4, 5, 6, 8, and 9.

5. Advanced Fire Operations (FFOA)

a. Purpose. To provide the ARFF Marine with the capability to respond to technical rescue operations.

b. Prerequisite. QUAL-604.

c. Academic Training. Rescue Technician II is only offered at the Department of Defense Fire Academy Joint Fire Protection Academy at Goodfellow Air Force Base, San Angelo, Texas.

d. Live and Simulator Training Events: 1 Event, 120 Hours.

FFOA-406 120.0 B L

Goal. Achieve certification as Rescue Technician II.

Requirement. Complete the following:

- (1) Conduct trench rescue.
- (2) Conduct water rescue awareness.
- (3) Conduct structural collapse rescue.

Performance Standard. In accordance with DoD Fire Academy policy.

Prerequisite. FFOI-405, RQMT-608, and RQMT-613.

Reference. NFPA 1006, Chapters 4, 5, 7, 10, and 11.

6. Fire Operations Leader (FFOL)

a. Purpose. To provide the ARFF Marine with the capability to manage a respiratory protection program (RPPM).

b. Administrative Notes. RPPM training and program requirements are stated within OPNAVINST 5100.19_/5100.23_ series and can be coordinated through the base safety center and unit safety representative.

c. Prerequisite. QUAL-605.

d. Academic Training. The full course is offered as a traveling training team from NAVOSH.

e. Live and Simulator Event Training: 1 Event, 32 Hours.

FFOL-407 32.0 B L

Goal. Achieve certification Respiratory Protection Program Manager (RPPM).

Requirement. Complete the prescribed course of instruction offered through Naval Occupational Safety and Health Center (NAVOSH).

Performance Standard. In accordance with NAVOSH regulations.

References. OPNAVINST 5100.19_ and 29 CFR 1910.134.

7. Fire Prevention and Inspection (INSP)

a. Purpose. To provide the ARFF Marine with the capability to manage a training program.

b. Administrative Notes. This training is required for a ARFF Marine filling the billet of Training Chief in garrison.

c. Prerequisite. QUAL-607.

d. Academic Training. Basic academic training for Fire Instructor III is available through Career Development Courses offered by the Air Force

Institute for Advanced Distance Learning or from any IFSAC or PROBOARD accredited certifying agency.

- e. Live and Simulator Event Training: 1 Event, 91 Hours.

INSP-408 91.0 B _____ L

Goal. Achieve certification as Fire Instructor III.

Requirement. Complete the following:

- (1) Management of basic resources.
- (2) Review instructional materials.
- (3) Conduct evaluations and testing.

Performance Standard. In accordance with any IFSAC or PROBOARD accredited certifying agency policy and DoD policy.

Reference. NFPA 1041, Chapter 6.

411. INSTRUCTOR TRAINING PHASE

1. Purpose. The Instructor Training Phase (500-Level) process prepares the ARFF Marine to assemble, manage and administer certification classes for other ARFF Marines.

a. Administrative Notes. CPR Instructor certification requirements are outlined in American Heart Association Heartsaver Instructors course or equivalent approved course of instruction. EVOC Instructor certification requirements are outlined in NAVSAFCENINST 11240.5, OPNAVINST 5100.12_, and MCO 5100.19_. These certifications must be obtained prior to designation as an instructor.

- b. Live and Simulator Event Training: 2 Events, 48 Hours.

INST-500 8.0 B,R _____ L

Goal. Achieve certification as CPR instructor.

Requirement. Complete American Heart Association or equivalent CPR instructor course.

Performance Standard. In accordance with the American Heart Association basic life support instructor manual or equivalent approved CPR instructor course.

Prerequisite. Current CPR certification, complete DoD Fire Academy.

INST-501 40.0 B,R _____ L

Goal. Achieve Emergency Vehicle Operators Course (EVOC) instructor certification.

Requirement. Complete NAVSAFCEN EVOC instructor course.

- (1) Obey applicable laws and regulations.

- (2) Safe operating practices under normal and emergency conditions.
- (3) Operator inspection and primary preventive maintenance.

Performance Standard. In accordance with COMNAVSAFECEN directives.

Prerequisite. Government operators permit, Core skill competency in FFOB.

Reference. NAVSAFCENINST 11240.5, OPNAVINST 5100.12_, and MCO 5100.19_.

412. QUALIFICATIONS, REQUIREMENTS, AND DESIGNATIONS PHASE

1. General

a. This phase contains tracking codes and events designed to facilitate training management. This level also provides community standardization for combat leadership designations.

b. The 600-level stages are known as Qualifications (QUAL), Requirements (RQMT), and Designations (DESG).

2. Qualifications

a. To track completion of qualifications. Refer to the Core Skill Basic, Advanced, and Core Plus phases for qualification syllabus.

b. Qualification codes do not constitute events themselves. Rather, they will be logged upon completion of qualification requirements; the qualification letter has been signed by the commanding officer, filed in the ARFF Marine's IPR, and an entry logged. Requirements for maintaining qualifications are detailed in the Aviation T&R Program Manual.

c. Qualifications

QUAL-600 Dispatcher
QUAL-601 Fire Fighter Technician
QUAL-602 Driver/Operator
QUAL-603 Crew Leader
QUAL-604 Rescue Technician
QUAL-605 Section Leader
QUAL-606 Fire & Emergency Services Chief
QUAL-607 Fire Inspector

QUAL-600

Goal. Tracking code for Dispatcher qualification.

Requirement. Satisfactory completion of Dispatcher qualification syllabus.

Prerequisites. FFOB-200, FFOB-201, FFOB, 202, FFOB-203, FFOB-300, and FFOB-301.

QUAL-601

Goal. Tracking code for Firefighter Technician qualification.

Requirement. Satisfactory completion of Fire Fighter Technician qualification syllabus.

Prerequisites. FFOB-200, FFOB-201, FFOB-202, FFOB-203, FFOB-300, FFOB-301, RQMT-608, RQMT-609, RQMT-611, RQMT-612, RQMT-613, and RQMT-614.

QUAL-602

Goal. Tracking code for Driver/Operator qualification.

Requirement. Satisfactory completion of Driver/Operator qualification syllabus.

Prerequisites. DVOP-204R, DVOP-205, DVOP-206, RQMT-611, RQMT-613, RQMT-614, RQMT-615, RQMT-616, RQMT-617.

QUAL-603

Goal. Tracking code for Crew Leader qualification.

Requirement. Satisfactory completion of Crew Leader qualification syllabus.

Prerequisite. FFOI-207, FFOI-208, FFOI-209, FFOI-302, and QUAL-601.

QUAL-604

Goal. Tracking code for Rescue Technician qualification.

Requirement. Satisfactory completion of Rescue Technician qualification syllabus.

Prerequisite. FFOA-210, FFOA-211, and QUAL-603.

QUAL-605

Goal. Tracking code for Section Leader qualification.

Requirement. Satisfactory completion of Section Leader qualification syllabus.

Prerequisite. FFOL-212, FFOL-213, FFOL-303, and QUAL-604.

QUAL-606

Goal. Tracking code for Fire & Emergency Services Chief qualification.

Requirement. Satisfactory completion of Fire & Emergency Services Chief qualification syllabus.

Prerequisite. FFOC-214 and QUAL-605.

QUAL-607

Goal. Tracking code for Fire Inspector qualification.

Requirement. Satisfactory completion of Fire Inspector qualification syllabus.

Prerequisite. INSP-215 and QUAL-605.

3. Requirements. These are recurring events a ARFF Marine must complete in order to maintain core skill proficiency and retain certifications current. To maintain a higher level of qualification, a ARFF Marine must also complete the requirements for the prerequisite qualification level.

RQMT-608

Goal. First Responder sustainment.

Requirement. Complete the DoD First Responder computer based refresher training once every 24 months.

RQMT-609

Goal. Hazardous Materials Awareness and Operations skills sustainment.

Requirement. Receive annual refresher training of sufficient content and duration to maintain competencies, or demonstrate competency in those areas at least yearly at a Hazardous Materials incident.

RQMT-610

Goal. Emergency Medical Technician-Basic (EMT-B) recertification.

Requirement. Complete an accredited 24 hour refresher course and 48 hours of continuing education credits.

RQMT-611

Goal. NATOPS Annual Training.

Requirement. Receive at least annual refresher training of sufficient content and duration to maintain competencies in the following subject areas:

- (1) Hot drills simulating aircraft fire emergencies.
- (2) Firefighting operations and tactics.
- (3) Rescue and first-aid procedures.
- (4) Emergency equipment operations.
- (5) Crash locator maps and on-station/off-station familiarization.
- (6) Aircraft familiarization.
- (7) Preparation of administrative reports.
- (8) Review and discussion of past mishaps.
- (9) Basic structural firefighting.
- (10) Firefighting and rescue organization.
- (11) Airfield emergency communication procedures.
- (12) Fundamentals of combustion, fire control, and extinguishment.
- (13) Aircraft fire hazards, fuel, ordnance, lubricants, and composite materials.

- (14) Hazardous materials.
- (15) Confined space rescue.
- (16) High angle rescue.
- (17) Training fires.

RQMT-612

Goal. CPR refresher.

Requirement. Complete a CPR refresher course once every 24 months.

RQMT-613

Goal. Physical screenings and qualifications.

Requirement

(1) Complete a Firefighter Physical in accordance with NFPA 1582 at least once every 12 months.

(2) Complete a Periodic Health assessment at least once every 12 months.

(3) Complete a Medical Examiner's Certification for Drivers at least once every 60 months.

NOTE: The stated requirements may be completed concurrently.

RQMT-614

Goal. Respiratory Fit Test.

Requirement. Perform a qualitative respiratory fit test for each piece of respiratory protection equipment used at least once every 12 months.

Prerequisite. RQMT-613.

RQMT-615

Goal. State driver's license.

Requirement. Obtain a valid license to operate motor vehicles by a commonwealth, state, district, or provincial government and renew the license as dictated by the issuing authority.

RQMT-616

Goal. Obtain and maintain a motor vehicle operator's permit for ARFF Apparatus.

Requirement. Obtain a license qualifying the ARFF Marine to operate ARFF apparatus and renew the license as dictated by the issuing authority.

RQMT-617

Goal. EVOC Refresher.

Requirements. Before expiration of the EVOC certification the ARFF Marine shall attend a 24 hour refresher course every 36

months or phase training totaling 24 hours spread over 36 months consisting of:

- (1) State, local or host nation laws and regulations.
- (2) DoD, OPNAV, MCO or other applicable base instructions and policy.
- (3) Safe operating practices to include selected range exercises.
- (4) Operator vehicle inspection.
- (5) A range skills portion and a written test.

Prerequisites. RQMT-613, RQMT-615, and RQMT-616.

RQMT-618

Goal. EVOC Instructor Refresher.

Requirements

- (1) Have written command endorsement letter or recommendation to maintain certification.
- (2) Maintain a satisfactory motor vehicle driving record. Each candidate must supply an original current copy of his/her state's driver license record. A record is considered UNSAT if a major infraction is reported within the last five years. Major infractions include, but are not limited to, DUI, Reckless Driving, any license suspension or revocation, or three or more moving violations. Or has had an at-fault mishap, within the last three years. Candidates with UNSAT records are ineligible for certification and current instructors will not be re-certified.
- (3) Recertification candidates will be required to prepare and teach back a lesson plan, conduct driving range setup, exercises, and evaluations. Complete homework assignments and successfully pass a final exam.
- (4) Teach or participate in at least one Basic or EVOC Instructor course each year, or risk losing their certification. Maintain records of courses taught and supply such records to COMNAVSAFECEN EVOC program manager.

Prerequisites. RQMT-613, RQMT-615, and RQMT-616, and RQMT-617.

RQMT-619

Goal. Hazardous Materials Technician skills sustainment.

Requirement. Receive annual refresher training of sufficient content and duration to maintain competencies, or demonstrate competency in those areas at least yearly at a Hazardous Materials incident.

RQMT-620

Goal. Hazardous Materials Incident Commander skills sustainment.

Requirement. Receive annual refresher training of sufficient content and duration to maintain competencies, or demonstrate competency in those areas at least yearly at a Hazardous Materials incident.

RQMT-621

Goal. CPR Instructor Refresher.

Requirement. Meet the requirements of the certification issuing agency.

3. Designations

a. Designation codes do not constitute events themselves. Rather, they will be logged upon being designated by the commanding officer or a direct representative in writing and other administrative actions taken as appropriate; the designation letter shall be filed in the individual performance record (IPR). Requirements for designations are detailed in the Aviation T&R Program directive.

b. Crew Leader (CLDR) designation. A Crew Leader is designated by the commanding officer or officer in charge. Completion and sustainment of QUAL-203 is required. A letter shall be inserted in the IPR stating the designation.

c. Section Leader (SLDR) designation. A Section Leader is designated by the commanding officer or officer in charge. Completion and sustainment of QUAL-605 is required. A letter shall be inserted in the IPR stating the designation.

d. Fire Inspector (FINP) designation. A Fire Inspector is designated by the commanding officer or officer in charge. Completions and sustainment of QUAL-607 is required. A letter shall be inserted in the IPR stating the designation.

DESG-622

Goal. Designate as Crew Leader.

Prerequisite. QUAL-603.

DESG-623

Goal. Designate as Section Leader.

Prerequisite. QUAL-605.

DESG-624

Goal. Designate as Fire Inspector.

Prerequisite. QUAL-607.

413. T&R SYLLABUS MATRIX. The below matrix's summarizes T&R syllabus event information.

ARFF SPECIALIST (MOS 7051)									
100 LEVEL - CORE SKILL INTRODUCTION									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FFOB	100	56.0	730	L/S		B,R		10.0	
FFOB	101	24.0	*	L/S		B		10.0	
FFOB	102	164.0	*	L/S		B		10.0	
FFOB	103	32.0	*	L/S		B		10.0	
FFOB	104	164.0	*	L/S		B		10.0	
FFOB	105	104.0	*	L/S		B		10.0	
TOTAL HRS:		544.0						60%	CRP

ARFF SPECIALIST (MOS 7051)									
200 LEVEL - CORE SKILL BASIC									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FFOB	200	24.0	*	L/S		B		.50	
FFOB	201	24.0	*	L/S	200	B		.50	
FFOB	202	3.0	*	L/S		B		1.00	
FFOB	203	3.0	*	L/S	202	B		1.00	
DVOP	204	40.0	1095	L	613,615 616	B,R		1.00	
DVOP	205	106.0	*	L/S	204	B		1.00	
DVOP	206	8.0	*	L	615,616	B		1.00	
FFOI	207	48.0	*	L		B		1.00	
FFOI	208	91.0	*	L		B		1.00	
FFOI	209	144.0	*	L	601	B		1.00	
FFOA	210	98.0	*	L		B		1.00	
FFOA	211	24.0	*	L		B		1.00	
FFOL	212	83.0	*	L		B		1.00	
FFOL	213	91.0	*	L		B		1.00	
FFOC	214	140.0	*	L		B		1.00	
INSP	215	91.0	*	L		B		1.00	
TOTAL HRS:		1018.0						15%	CRP

ARFF SPECIALIST (MOS 7051)									
300 LEVEL - CORE SKILL ADVANCED									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FFOB	300	3.0	*	L/S		B		5.0	
FFOB	301	3.0	*	L/S	300	B		5.0	
FFOI	302	88.0	*	L		B		5.0	
FFOL	303	120.0	*	L	210,212	B		5.0	
TOTAL HRS:		214.0						20%	CRP

ARFF SPECIALIST (MOS 7051)									
400 LEVEL - CORE PLUS									
STAGE	TRNG CODE	EVENT HRS	REFLY INTERVAL	DEVICE	PREREQ	POI	EVAL	CRP	CHAINING
FFOB	400	140.0	730	L/S	612	B,R		.56	
FFOB	401	80.0	*	L		B		.56	
FFOB	402	40.0	*	L		B		.56	
DVOP	403	106.0	*	L/S		B		.56	
DVOP	404	106.0	*	L/S		B		.56	
FFOI	405	120.0	*	L		B		.56	
FFOA	406	120.0	*	L	405,608 613	B		.56	
FFOL	407	32.0	*	L		B		.56	
INSP	408	91.0	*	L		B		.56	
TOTAL HRS:		835.0						5%	CRP

414. SYLLABUS EVALUATION FORM. See appendix A for the syllabus evaluation forms.

415. SIMULATOR MISSION ESSENTIAL SUBSYSTEMS MATRIX (MESM). Currently, MESM is not applicable to this syllabus.

416. EVENT CONVERSION MATRIX. The event conversion matrix provides a comparison for all events in this ARFF Specialist syllabus as they correspond to the previous ARFF Specialist syllabus that this chapter replaced.

NEW EVENT #	NEW GOAL	OLD EVENT #
100 LEVEL EVENTS		
FFOB-100	Achieve cert as DoD First Responder.	EMS-120 EMS-121 EMS-122 CPR-123 EMS-124 EMS-125
FFOB-101	Achieve cert as Haz-Mat Awareness.	HAZMAT-160
FFOB-102	Achieve cert as Firefighter I.	ORNT-101 ORNT-102 FFSCI-103 BPLN-111 FFEDU-112
FFOB-103	Achieve cert as Haz-Mat Operations.	HAZMAT-161 HAZMAT-162 HAZMAT-163 HAZMAT-164
FFOB-104	Achieve cert as Firefighter II.	PPE-130 RES-135 SRCH-136 FFEQP-137 VENT-138 RES-139 FFAPP-140 SAL-145 FFOPS-150
FFOB-105	Achieve cert as Airport Firefighter.	ACFAM-170 FFPRNC- 175 ACRES-176 FFVEH-177 ARFF-178
DELETED 100 LEVEL EVENTS		
GRAD-180, ECA-181		

NEW EVENT #	NEW GOAL	OLD EVENT #
200 LEVEL EVENTS		
FFOB-200	Achieve cert as Telecommunicator I.	FFCOM-110
FFOB-201	Achieve cert as Telecommunicator II.	NATOPS-206
FFOB-202	Achieve cert in principles of the ICS.	NEW
FFOB-203	Achieve cert to operate efficiently during an incident or event within the ICS at a basic level.	NEW
DVOP-204	Achieve EVOC cert.	NEW
DVOP-205	Achieve cert as Driver/Operator ARFF.	DROPS-217
DVOP-206	Complete FSS Operator training.	NEW
FFOI-207	Achieve cert as Fire Instructor I.	SUP-222 SUP-321
FFOI-208	Achieve cert as Fire Inspector I.	SUP-320
FFOI-209	Achieve cert as Haz-Mat Technician.	SUP-323
FFOA-210	Achieve cert as Fire Officer II.	SUP-322
FFOA-211	Achieve cert as Haz-Mat IC.	NEW
FFOL-212	Achieve cert as Fire Instructor II.	NEW
FFOL-213	Achieve cert as Fire Inspector II	SUP-420
FFOC-214	Achieve cert as Fire Officer IV.	NEW
INSP-215	Achieve cert as Fire Inspector III.	NEW
300 LEVEL EVENTS		
FFOB-300	Achieve cert in principles of the NIMS.	NEW
FFOB-301	Achieve cert in principles of the NRP.	NEW
FFOI-302	Achieve cert as Fire Officer I.	SUP-221 SUP-223
FFOL-303	Achieve cert as Fire Officer III.	MGMT-230 MGMT-231 MGMT-232 MGMT-233 MGMT-235 MGMT-236 SLDR-302 MGMT-330 MGMT-331 MGMT-332 MGMT-333 MGMT-334 MGMT-335 MGMT-336 MGMT-337 MGMT-238
400 LEVEL EVENTS		
FFOB-400R	Achieve Cert as EMT-B.	EMT-218
FFOB-401	Achieve cert in the MIMMS.	NEW
FFOB-402	Complete SCBA Technician course.	SUP-220
DVOP-403	Achieve cert as Driver/Operator Mobile Water Supply.	NEW
DVOP-404	Achieve cert as Driver/Operator Pumper.	NEW
FFOI-405	Achieve cert as Rescue Technician I.	NEW
FFOA-406	Achieve cert as Rescue Technician II.	FF-400
FFOL-407	Achieve cert RPPM.	MGMT-234
INSP-408	Achieve cert as Fire Instructor III.	MGMT-237
DELETED 400 LEVEL EVENTS		
FF-401, SUP-421		
500 LEVEL EVENTS		
INST-500	Achieve cert as CPR Instructor.	NEW
INST-501	Achieve EVOC instructor cert.	NEW

NEW EVENT #	NEW GOAL	OLD EVENT #
600 LEVEL EVENTS		
QUAL-600	Tracking code for Dispatcher qual.	NEW
QUAL-601	Tracking code for Fire Fighter Technician qual.	FFOPS-215
QUAL-602	Tracking code for Driver/Operator qual.	NEW
QUAL-603	Tracking code for Crew Leader qual.	NATOPS-200 NATOPS-201 NATOPS-202 NATOPS-203 NATOPS-204 NATOPS-205 FFOPS-210 FFOPS-211 FFOPS-212 FFOPS-213 FFOPS-214 FFOPS-216
QUAL-604	Tracking code for Rescue Tech qual.	NEW
QUAL-605	Tracking code for Section Leader qual.	NEW
QUAL-606	Tracking code for FES Chief qual.	NEW
QUAL-607	Tracking code for Fire Inspector qual.	NEW
RQMT-608	First Responder sustainment.	NEW
RQMT-609	Haz-Mat Awareness and Ops sustainment.	NEW
RQMT-610	EMT-B recertification.	NEW
RQMT-611	NATOPS Annual Training.	NEW
RQMT-612	CPR Refresher.	NEW
RQMT-613	Physical screenings and qual.	NEW
RQMT-614	Respiratory Fit Test.	NEW
RQMT-615	State driver's license.	NEW
RQMT-616	Obtain and maintain a motor vehicle operator's permit for ARFF Apparatus.	NEW
RQMT-617	EVOC Refresher.	NEW
RQMT-618	EVOC Instructor Refresher.	NEW
RQMT-619	Haz-Mat Technician skills sustainment.	NEW
RQMT-620	Haz-Mat IC skills sustainment.	NEW
RQMT-621	CPR Instructor Refresher.	NEW
DESG-622	Designate as Crew Leader.	NEW
DESG-623	Designate as Section Leader.	NEW
DESG-624	Designate as Fire Inspector.	NEW

APPENDIX A
EVALUATION FORM

	<u>PAGE</u>
EVALUATION FORM	A-2

T&R SYLLABUS EVALUATION FORM

1. **Event:** (Number)

2. **Goal:** (Enter the T&R syllabus goal)

3. **Requirement:** (Enter the T&R condition for the event)

4. **Performance Standards:** (Enter the T&R performance standards and how they were met for the event)

5. **Prerequisite(s) Met:** Evaluator's initials:

6. **Additional Comments:**

Evaluator's Signature Date

Marine's Signature Date

SNCOIC Signature Date

OIC Signature Date

Training / Admin Clerk: _____Int. (entered into M-SHARP)

APPENDIX B

EAF/F&ES OFFICER (MOS 7002) TRAINING REFERENCES

	<u>PAGE</u>
TRAINING REFERENCES.....	B-2

NATIONAL FIRE PROTECTION ASSOCIATION	
DIRECTIVE/ORDER	TITLE
NFPA 1021	Standard for Fire Officer Professional Qualification
NFPA 1031	Standard for Professional Qualification for Fire Inspector and Plan Examiner
NFPA 1041	Standard For Fire Service Instructor Professional
NFPA 101	Life Safety Codes
NFPA 1500	Standard on Fire Depart Occupational Safety and Health Program
DODI 6055.1	DoD Safety and Occupational Health Program
DODI 6055.06	DoD Fire and Emergency Services Program
DODI 6055.06-M	DoD Fire and Emergency Services Certification Program
OSHA 1910.120	Hazardous Waste Operations and Emergency Response
MCO P11000.11_	Marine Corps Fire Protection and Emergency Services Program

U.S. NAVY	
DIRECTIVE/ORDER	TITLE
NAVAIR 00-80R-14	NAVAIR Aircraft Firefighting and Rescue NATOPS Manual
NAVAIR 00-80R-14-1	NAVAIR Aircraft Emergency Rescue Information
NAVAIR 00-80R-20	NAVAIR Aircraft Crash and Salvage Operations NATOPS Manual
NAVAIR 00-80R-115T	NAVAIR EAF NATOPS Manual
NAVAIR 51-50AAA-2	Shore Based airfield Marking & Lighting
NAVAIR 51-40ABA-14	Portable Shore Based Fresnel Lens OLS MK 8 MOD 0 & MOD 1
NAVAIR 51-40ABA-18	Lighting & Marking for EAF Bare-Base Airfields
NAVAIR 51-40ABA-7	Lighting & Marking for EAF
NAVAIR 51-40ABA-7.1	Regulator Assembly, Constant Current, 4 & 15 KW
NAVAIR 51-40ACA-3	Visual Landing Aids
NAVAIR 51-40ACB-1	Airfield Emergency Portable Marker Light
NAVAIR 51-40ACB-2	VTOL Portable Heliport Lighting Set
NAVAIR 51-5-28_	Field Emergency Arresting Gear E5/1, 2, 3 (Chain Gear)
NAVAIR 51-5-31(_)	E28 Emergency Runway Arresting Gear
NAVAIR 51-5-35	Expeditionary Airfield Mechanical Workshop Van
NAVAIR 51-60A-1(_)	AM2 Airfield Mat and Accessories
NAVAIR 51-50ABA-16(_)	Minimum Operating Strip Lighting System (MOSLS)
NAVAIR 51-50ABA-16-1(_)	MOSLS Periodic Maintenance Requirements
NAVAIR 51-50ABA-16-2	MOSLS Preoperational Checklist
NAVAIR 51-5FAA-1(_)	M31 Marine Corps Expeditionary Arresting Gear System
NAVAIR 51-5FAA-2(_)	M31 Periodic Maintenance Requirements
NAVAIR 51-5FAA-3	M31 Preoperational Checklist
NA INST 13800.12(_)	Certification of EAF AM2, A?C Recovery Equipment, Visual/Optical Landing Aids, Marking and Lighting Systems
NA INST 13000.13(_)	Certification of Shore base A/C Recovery Equipment and Visual/Optical Landing Aid Systems
OPNAV 4790.2G	Naval Aviation Maintenance Program (VoLs I-V)
NA INST 4440.10D	Submission of EAF Assets Report
NAVAIR 17-1-108	Torque Tools, use, care, test
NAVAIR 19-600-152-6-2	Mobile Fac Periodic Maintenance Requirements

U.S. NAVY	
DIRECTIVE/ORDER	TITLE
NAVAIR 00-35T-37-4	NAVAIR Allowance List (TBA)
NAVAIR 00-25-100	NAVAIR Technical Manual Program
NAVAIR 17-15-BAD-1	NAV A/C Naval A/C SE
NAVAIR 00-25DRT-1	Naval Aeronautical Publications
NAVAIR 01-1A-16	Non-Destructive Inspect Methods
NAVMC 2970	MPF Propositioning Objective
COMNAVAIRINST 4790.2	Naval Aviation Maintenance Program (NAMP)
NAVAIR A5-120AA-WUC-800	EAF Work Unit Code Manual

U.S. MARINE CORPS	
DIRECTIVE/ORDER	TITLE
MCWP 3-2	Aviation Operations
MCWP 3-11.2	Marine Rifle Squad
MCWP 3-17	Engineer Operations
MCWP 3-21.1	Aviation Ground Support
MCWP 3-37	MAGTF NBC Defense Handbook
MCWP 3-37A	NBC Field Handbook
MCWP 3-37.5	NBC Defense of Fixed Sites, Ports, and Airfields
MCWP 5-1	Marine Corps Planning Process
MCWP 5-11	MAGTF Aviation Planning
MCWP 5-11.1A	Aviation Planning Documents
MCRP 3-02E	Individual Guide to Terrorism
MCO P4790.2_	Individual Training Standards System
MCRP 3-02E	Individual Guide to Terrorism
MCO 3501.17	Marine Corps Combat Readiness Evaluation System (MCCRES) for MWSG/MWSS
MCO 5600.20	Marine Corps War Fighting Publication System
CMS-1	Communications Security Material System Directive
ACP	Aviation Campaign Plan

MAWTS-1	
DIRECTIVE/ORDER	TITLE
	MAWTS Course Catalog
	MAWTS-1 ASP

MAINTENANCE	
DIRECTIVE/ORDER	TITLE
TM 9-2330-379-14&P	M1022 Dolly Set (JPUB NA 19-95-5)
TM9-6115-673-13&P	2kW Generator Set (US Army Tech Manual)
TM 09500A-23&P/2A	AN/PVS-7B NVG Maintenance Manual
TM 09500A-262-10-2	AN/PVS-7B NVG Operator's Manual
TM 2700-15/1	Ground Equipment Records Procedure Manual
TM 08674A	Truck, Fire, Crash A/S32-P19A

JOINT MULTI-SERVICE AND ALLIED PUBS	
DIRECTIVE/ORDER	TITLE
FM-10-450-4	External Lift(MOSKIT/SALKIT & CABKIT Utility Trailer)
FM 5-430-00-1	Planning and Design of Roads
FM 5-430-00-2	Planning and Design of Airfields and Heliports
AFJPM-32-8013,Vol II	Pavement Classification Manual

REPORTS	
DIRECTIVE/ORDER	TITLE
NAWCADLKE-MISC-48J200-0012	Certification Requirements and Inspection for EAF Lighting and Marking
NAWCADLKE-DDR-48J200-0019	Consolidation of Lamps
NAWCAD-MISC-SR-052	Chem-Bio Vulnerability Analysis of the Marine EAF

MCI COURSES	
DIRECTIVE/ORDER	TITLE
MCI 04.7	Introduction to Amphibious Embarkation
MCI 06.32	HF/UHF Field Radio Equipment
MCI 25.15	Antenna Construction and Propagation of Radio Waves
MCI 25.20	Communications for the FMF Marine
MCI 1335C	Fundamentals OF Diesel Engines
MCI 57.6	Chemical Warfare Defense
MCI 57.7	Nuclear Warfare Defense
MCI 8500	Amphibious Warfare School Non-resident Program

REPORTS	
DIRECTIVE/ORDER	TITLE
NAWCADLKE-MISC-48J200-0011	EAF AM2 Certification Requirements
NAWCADLKE-MISC-48J200-0029	EAF AM2 MAT Inspect & Repair Procedures
NAWCADLKE-MISC-48J200-0024	EAF Assets Aboard MPF Ships
NAWCADLKE-MISC-48J200-0028	EAF Capability Aboard MPF Ships
NAWCADLKE-MISC-IS-0003	EAF Configuration
NAWCADLKE-MISC-48J200-0010	EAF Design Requirements (EAF 2000)
NAWCADLKE-MISC-48J200-0067	EAF Light Duty Mat System Description
NAWCADLKE-MISC-48J200-0065	EAF Light Duty Mat System Evaluation
NAWCADLKE-MISC-48J200-0066	EAF Light Duty Mat System Users Guide
NAWCADLKE-DDR-48J200-0027	EAF MV-22 Compatibility
NAWCADLKE-MISC-48J200-0043	DCP Operation & Main Instruct
NAWCADLKE-MISC-48J200-0021	EAF Sub grade preparation
NAWCADLKE-MISC-48J200-0020	Field Marker Lights and Accessories
NAWCADLKE-MISC-48J200-0053	Flat Rack Loading Procedures for EAF Equipment
NAWCADLKE-MISC-48J200-0023	Load Bank Specifications
NAWCADLKE-MISC-48J200-0070	M31 MCEAGS Certification Requirements
NAWCADLKE-MISC-48J200-0075	Removal and Replacements of Arrestor Engine for E28 Runway Arresting Gear
NAWCADLKE-MISC-48J200-0064	System Specifications for CABKIT
NAWCADLKE-U85099002	ULSS, MOSLS
NAWCADLKE-MISC-48J200-0048	User Guide, MOSLS
NAWCADLKE-MISC-48J200-0018	C-17A Globemaster III Compatibility with EAF

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APPENDIX C

EAF SYSTEMS TECHNICIAN (MOS 7011) TRAINING REFERENCES

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TRAINING REFERENCES.....	C-2

U.S. NAVY	
DIRECTIVE/ORDER	TITLE
COMNAVAIRINST 4790.2J	Naval Aviation Maintenance Program
NAVAIR 00-25-100	Technical Manual Program
NAVAIR 00-25-300	Technical Directives Program
NAVAIR 00-80T-106	LHA/LHD/MCS Ships
NAVAIR 00-80T-113	Aircraft Signals
NAVAIR 00-80T-115	EAF and Air Stations Manual
NAVAIR 19-600-141-6-2	Van Environmental Control Unit
NAVAIR 19-600-152-6-2	Mobile Facilities MRC Deck
NAVAIR 51-40ABA-14	FLOLS Mk8 Mod 0 and 1
NAVAIR 51-40ABA-18	Barebased Lighting and Marking Systems
NAVAIR 51-40ABA-7	Marking and Lighting for Expeditionary Airfields
NAVAIR 51-40ABA-7.1	15Kw & 4Kw Constant Current Regulators
NAVAIR 51-50AAA-1	VLA Flight Deck Lighting
NAVAIR 51-50AAA-2	Shorebased Lighting and Marking (revised)
NAVAIR 51-50AAA-4	PAPI Type L-880, Style A, Class II
NAVAIR 51-50ABA-16	MOSLS (Preliminary Change 2)
NAVAIR 51-5-31	E-28 Emergency Arresting Gear (Change 10)
NAVAIR 51-5-35	Mechanical Workshop Van
NAVAIR 51-5FAA-1	M-31 Expeditionary Arresting Gear (Change 3)
NAVAIR 51-60-15	VSTOL OLS Mk12 Mod 0 (Change 1)
NAVAIR 51-60A-1	AM-2 Airfield Mat and Accessories (Change 3)
NAVAIR 613593-1	Flushdeck Light drawing
NAVAIR A5-120AA-WUC-800	Work Unit Codes (.doc)
NAVAIRINST 5215.12	Technical Directives System
NAVAIRINST 13800.12B	Letter on Certification of EAF Equipment
NAVAIRINST 13800.15A	EAF Fleet Tech Services Support
NAVAIRINST 13810.2C	Flight Operations Report
NAVAIRINST 13810.3D	Reporting Arrestments and Deviations
NAVFAC P80	Facility Planning Criteria for Navy and Marine Corps
NAVFAC P80.3 Appendix E	Airfield Safety Clearances
NAVSEA OP5 VOL3 REV 5	Ammo and Explosives
NAWCADLKE 06-IS-0003	EAF Configurations
NAWCADLKE DDR-06-IS-0005	AM-2 Mat Non-Skid Study
NAWCADLKE DDR-48J200-0027	EAF/MV-22 Compatibility
NAWCADLKE MISC-06-IS-0011	EAF Hook-Touchdown Program User's Manual
NAWCADLKE MISC-48J200-0001	AN/PRC-139(C) Radio in EAF Community
NAWCADLKE MISC-48J200-0010	EAF Design Requirements (EAF 2000)
NAWCADLKE MISC-48J200-0011	EAF AM-2 Mat (Rev B)
NAWCADLKE MISC-48J200-0012	Marking and Lighting (Rev B)
NAWCADLKE MISC-48J200-0018	C-17 Compatibility with EAF System
NAWCADLKE MISC-48J200-0020	EAF FML's (Rev A)
NAWCADLKE MISC-48J200-0021	Sub-Grade Preparation
NAWCADLKE MISC-48J200-0024	EAF Assets aboard MPF Ships
NAWCADLKE MISC-48J200-0028	EAF Capabilities aboard MPF Ships
NAWCADLKE MISC-48J200-0029	EAF Field Inspection and Repair Procedures
NAWCADLKE MISC-48J200-0035	EAF and SATS Package List
NAWCADLKE MISC-48J200-0043	Dual-Mass Cone Penetrometer Instructions

U.S. NAVY	
DIRECTIVE/ORDER	TITLE
NAWCADLKE MISC-48J200-0065	Mobi Mat Evaluation (Rev A)
NAWCADLKE MISC-48J200-0066	Mobi Mat Description w/Pictures
NAWCADLKE MISC-48J200-0067	Mobi Mat Description (brief)
NAWCADLKE MISC-48J200-0070	M-31
NAWCADLKE MISC-48J200-0075	E-28 Retrieve Engine Removal and Replacement
NAWCADLKE MISC-49J200-0047	Loading and Shoring of EAF Assets in ISO's
NAWCADLKE MISC-49J200-0048	User's Guide for the MOSLS
NAWCADLKE MISC-49J200-0053	Recommended MPF Flatrack Loading Procedures
NAWCADLKE MISC-49J200-0063	L-123 Installation, Maintenance, Repacking
NAWCADLKE NAEC-51-8020	EAF 2000 Field Evaluation
NAWCADLKE NAEC-91-7824	E-28 Field Test
NAWCADLKE NAEC-91-8082	Navy PAPI
NAWCADLKE NAEC-ENG-7390	FLOLS Test Procedures
NAWEPS 17-1-108	Torque Tools - Use, Care, and Testing Instructions
OPNAVINST 3710.7S	General Flight and Operating Instructions
OPNAVINST 3750.6R	Naval Aviation Safety Program
OPNAVINST 5100.23F	Navy Occupational Safety and Health (NAVOSH)
OPNAVINST 5100.19D CH 1	NAVOSH Program for Forces Afloat

U.S. MARINE CORPS	
DIRECTIVE/ORDER	TITLE
MCO 3500.67	T&R Expeditionary Airfield Technician
MCWP 3-21 APPX E	Airfield Site Survey
MRC 4922/RF8-61	MRCs for FLOLS
MRC 4922/RFI-13	MRCs for IFLOLS
MRC 4926/SOL-43	MRCs for VSTOL OLS
MRC 51-50ABA-16-1	MOSLS Periodic Maintenance
MRC 51-50ABA-16-2	MOSLS Preoperational Checklist
MRC 51-5FAA-2	M-31 PM Requirements (Change 1)
MRC 51-5FAA-3	M-31 Pre-Operational Checklist

JOINT MULTI-SERVICE AND ALLIED PUBS	
DIRECTIVE/ORDER	TITLE
AFI 13-217	Drop Zone and Landing Zone Operations
UFC 3-260-01	Airport and Heliport Design and Planning

MAINTENANCE	
DIRECTIVE/ORDER	TITLE
Manual	M-31 Concorde Battery Maintenance Manual
Manual	M-31 Concorde Battery Owner's Manual
Manual	MOSLS Generator Owner's Manual
TM 9-6115-673-13	MOSLS Generator Technical Manual

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APPENDIX D

ARFF SPECIALIST (MOS 7051) TRAINING REFERENCES

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TRAINING REFERENCES.....	D-2

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	
DIRECTIVE/ORDER	TITLE
29 CFR 1910.120	HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE
29 CFR 1910.134	RESPIRATORY PROTECTION

NATIONAL FIRE PROTECTION ASSOCIATION	
DIRECTIVE/ORDER	TITLE
NFPA 101	LIFE SAFETY CODE
NFPA 472	STANDARD FOR PROFESSIONAL COMPETENCE OF RESPONDER TO HAZARDOUS MATERIALS INCIDENTS
NFPA 1001	STANDARD FOR FIREFIGHTER PROFESSIONAL QUALIFICATIONS
NFPA 1003	STANDARD FOR AIRPORT FIREFIGHTER PROFESSIONAL QUALIFICATIONS
NFPA 1006	STANDARD FOR RESCUE TECHNICITION PROFESIONAL QUALIFICATIONS
NFPA 1021	STANDARD FOR FIRE OFFICER PROFESSIONAL QUALIFICATIONS
NFPA 1061	STANDARD FOR PROFESSIONAL QUALIFICATIONS FOR PUBLIC SAFETY TELECOMMUNICATORS
NFPA 1041	STANDARD FOR FIRE SERVICE INSTRUCTOR PROFESSIONAL QUALIFICATIONS
NFPA 1031	STANDARD FOR PROFESSIONAL QUALIFICATIONS FOR FIRE INSPECTOR AND PLAN EXAMINEER
NFPA 1670	STANDARD ON OPERATIONS AND TRAINING FOR TECHNICAL SEARCH AND RESCUE INCIDENTS

DEPARTMENT OF DEFENSE	
DIRECTIVE/ORDER	TITLE
DODI 6055.6	DEPARTMENT OF DEFENSE FIRE AND EMERGENCY SERVICES PROGRAM

U.S. NAVY	
DIRECTIVE/ORDER	TITLE
OPNAVINST 11320.23F.CH 2	SHORE ACTIVITIES FIRE PROTECTION AND EMERGENCY PROGRAM
NAVAIR 00-80R-14	U.S. NAVY AIRCRAFT FIREFIGHTING AND RESCUE MANUAL
NAVAIR 00-80R-14-1	U.S. NAVY AIRCRAFT EMERGENCY RESCUE INFORMATIONAL MANUAL

U.S. MARINE CORPS	
DIRECTIVE/ORDER	TITLE
MCO P11000.11B	MARINE CORPS FIRE PROTECTION AND EMERGENCY SERVICES PROGRAM
MCO P1200.16	MILITARY OCCUPATIONAL SPECIALTIES MANUAL
TECOMO 1500.1	MILITARY OCCUPATIONAL SPECIALTIES ROADMAP