

CHAPTER 1

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SPECIALIST

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CHAPTER 1

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SPECIALIST

100. INTRODUCTION

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

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

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

101. MISSION. To provide aircraft and structural fire protection to the ACE commander in support of MAGTF operations.

1. Mission Essential Task List

a. Reduce potential for loss of life and damage to government property, through assignment of qualified personnel and training of supporting agencies.

b. Provide immediate response/fire suppression capability for aircraft mishaps on or near air base facilities and Forward Operating Bases (FOBS).

c. Provide first responder medical support as required until advanced medical personnel/equipment arrive.

d. Mitigate Hazardous Materials incidents within assigned area of responsibility.

e. Provide structural fire fighting support at the air base and/or base camp.

2. ARFF Core Capability. A core capable ARFF section provides incident command, immediate response of fire suppression equipment and trained/qualified personnel to mitigate life threatening incidents, on or in the immediate vicinity of an air base/FOB, in support of the Aviation Combat Element (ACE).

102. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS. Tables 1-1 thru 1-4 list the ARFF Specialist, MOS 7051, Combat Capable, Combat Ready, Combat Qualification and Full Combat Qualification training events with associated page numbers.

NOTE: Level 100 specific training events/instruction will be conducted at the Louis F. Garland Fire Academy San Angelo, Texas as outlined by the school's most current approved POI.

Table 1-1.--ARFF Specialist Combat Capable Training List.

| EVENT | GOAL | PAGE |
|--------------|--|-------------|
| ORNT-101 | Fire Fighter Orientation. | 1-14 |
| ORNT-102 | Fire Protection, Organization and Safety. | 1-14 |
| FFSCI-103 | Fire Behavior. | 1-15 |
| FFCOM-110 | Fire Alarm and Communication (Dispatch). | 1-15 |
| BPLN-111 | Building Construction. | 1-16 |
| FFEDU-112 | Fire Prevention. | 1-17 |
| EMS-120 | Becoming a First Responder. | 1-17 |
| EMS-121 | Scene and Patient Assessment. | 1-18 |
| EMS-122 | Airway Management. | 1-18 |
| CPR-123 | Circulation and CPR. | 1-19 |
| EMS-124 | Illness and Injury. | 1-20 |
| EMS-125 | Children and Childbirth. | 1-20 |
| PPE-130 | Personal Protective Equipment. | 1-21 |
| RES-135 | Forcible Entry. | 1-22 |
| SRCH-136 | Search Procedures and Vehicle Extrication. | 1-22 |
| FFEQP-137 | Ropes & Knots and Ladders. | 1-24 |
| VENT-138 | Ventilation Practices. | 1-25 |
| RES-139 | Miscellaneous Rescue. | 1-25 |
| FFAPP-140 | Water Supplies, Fire Hose, and Fire Streams. | 1-26 |
| SAL-145 | Salvage and Overhaul. | 1-28 |
| FFOPS-150 | Fire Control. | 1-29 |
| HAZMAT-160 | Awareness Level - Analyzing and Implementing the Incident. | 1-30 |
| HAZMAT-161 | Operations Level Part I - Analyzing the Incident. | 1-31 |
| HAZMAT-162 | Operations Level Part I - Planning the Response. | 1-32 |
| HAZMAT-163 | Operations Level Part II - Planning and Implementing the Response. | 1-33 |
| HAZMAT-164 | Competencies - Evaluating Progress. | 1-33 |
| ACFAM-170 | Aircraft and Airport Familiarization. | 1-34 |

| EVENT | GOAL | PAGE |
|------------|---|------|
| FFPRNC-175 | Aircraft Response and Fire Fighting Principles. | 1-34 |
| ACRES-176 | Aircraft Rescue Procedures. | 1-35 |
| FFVEH-177 | Aircraft Rescue and Fire Fighting Vehicles. | 1-36 |
| ARFF-178 | Live Aircraft Fire Training. | 1-37 |
| GRAD-180 | Course Feedback and Graduation. | 1-38 |
| ECA-181 | End-of-Course Appointment (MT). | 1-38 |

Table 1-2.--ARFF Specialist Combat Readiness Training List.

| EVENT | GOAL | PAGE |
|------------|--|------|
| NATOPS-200 | Perform to standards required as a First Responder. | 1-39 |
| NATOPS-201 | Perform emergency equipment operation and maintenance. | 1-39 |
| NATOPS-202 | Locate mishap site on a grid map. | 1-40 |
| NATOPS-203 | Identify characteristics of a given aircraft. | 1-40 |
| NATOPS-204 | Suppress an aircraft fire and/or emergency. | 1-41 |
| NATOPS-205 | Suppress a structural fire and/or emergency. | 1-41 |
| NATOPS-206 | Perform the duties of an emergency services dispatcher. | 1-41 |
| FFOPS-210 | Perform the duties of a turret operator. | 1-42 |
| FFOPS-211 | Perform the duties of a handline operator. | 1-42 |
| FFOPS-212 | Perform fire fighting support operations utilizing assigned fire fighting apparatus. | 1-43 |
| FFOPS-213 | Perform the duties of a Twin Agent unit crewmember. | 1-43 |
| FFOPS-214 | Perform aircrew and passenger rescue on assigned aircraft. | 1-43 |
| FFOPS-215 | Conduct Hazardous Materials response at the HAZMAT Operations level. | 1-44 |
| FFOPS-216 | Perform emergency operations involving ordnance. | 1-44 |
| DROPS-217 | Obtain a major fire fighting or support vehicle operators license. | 1-44 |
| EMT-218 | Perform duties as an EMT. | 1-45 |
| SUP-220 | Operate and maintain assigned T/E Self Contained Breathing Apparatus (SCBA). | 1-45 |
| SUP-221 | Perform the duties of an initial response Incident Commander. | 1-46 |
| SUP-222 | Conduct both formal and informal training of assigned personnel. | 1-46 |
| SUP-223 | Inspect assigned firefighting and rescue personnel and operational areas. | 1-46 |
| MGMT-230 | Supervise unit's Preventive Maintenance program. | 1-47 |
| MGMT-231 | Prepare Firefighting and Rescue equipment for embarkation by land, sea, or air. | 1-47 |

| EVENT | GOAL | PAGE |
|--------------|--|-------------|
| MGMT-232 | Prepare Quality Deficiency Reports. | 1-48 |
| MGMT-233 | Prepare materials reports and forms. | 1-48 |
| MGMT-234 | Monitor and control the Respiratory Protection Program. | 1-48 |
| MGMT-235 | Supervise required programs necessary to maintain firefighting and rescue organizations. | 1-49 |
| MGMT-236 | Prepare budget requirements to maintain firefighting and rescue organization. | 1-49 |
| MGMT-237 | Manage the organizational training program. | 1-50 |
| MGMT-238 | Maintain vehicle and firefighting equipment engineer records. | 1-50 |

Table 1-3.--ARFF Specialist Combat Qualification Training List.

| EVENT | GOAL | PAGE |
|--------------|---|-------------|
| SLDR-302 | Perform the duties of a Section Leader. | 1-51 |
| SUP-320 | Perform the duties of Fire Inspector I. | 1-52 |
| SUP-321 | Conduct fire extinguisher training. | 1-52 |
| SUP-322 | Inspect assigned fire fighting and rescue personnel and operational and functional areas. | 1-52 |
| SUP-323 | Perform the duties of Hazardous Materials Technician. | 1-53 |
| MGMT-330 | Identify equipment and personnel requirements for Forward Base Operations. | 1-53 |
| MGMT-331 | Prepare Standing Operating Procedures for firefighting and rescue. | 1-54 |
| MGMT-332 | Establish aviation and structural firefighting and rescue duty sections. | 1-54 |
| MGMT-333 | Prepare a Disaster Control/Crash Bill for firefighting and rescue operations. | 1-54 |
| MGMT-334 | Establish required programs necessary to maintain firefighting and rescue organizations. | 1-55 |
| MGMT-335 | Develop budget requirements to maintain firefighting and rescue organization. | 1-55 |
| MGMT-336 | Conduct the administrative duties required to maintain firefighting and rescue organizations. | 1-56 |
| MGMT-337 | Coordinate all phases of firefighting and rescue operations. | 1-56 |

Table 1-4.--ARFF Specialist Full Combat Qualification Training List.

| EVENT | GOAL | PAGE |
|--------------|---|-------------|
| FF-400 | Performs specialized rescue operations. | 1-57 |
| FF-401 | Perform shipboard aviation firefighting operations. | 1-58 |
| SUP-420 | Perform the duties of a Fire Inspector II. | 1-58 |
| SUP-421 | Perform the duties of a Hazardous Materials instructor. | 1-59 |

103. UNIT TRAINING POLICIES

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

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

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

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

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

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

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

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

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

104. AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST TRAINING PROGRESSION PHILOSOPHY. The majority of Aircraft Rescue and Firefighting syllabi is ground training which requires in-depth integration with other emergency responders within the DoD and the local community. The purpose of this Manual is to ensure personnel are trained in the areas of aerospace and structural firefighting and rescue. Typical duties include operating, servicing, inspecting and testing aircraft/structural firefighting and rescue equipment; instructing personnel in the techniques and procedures of rescue, fighting aircraft/structural fires and salvage operations involving all types of DoD aircraft.

105. AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST TRAINING PROGRESSION MODEL

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

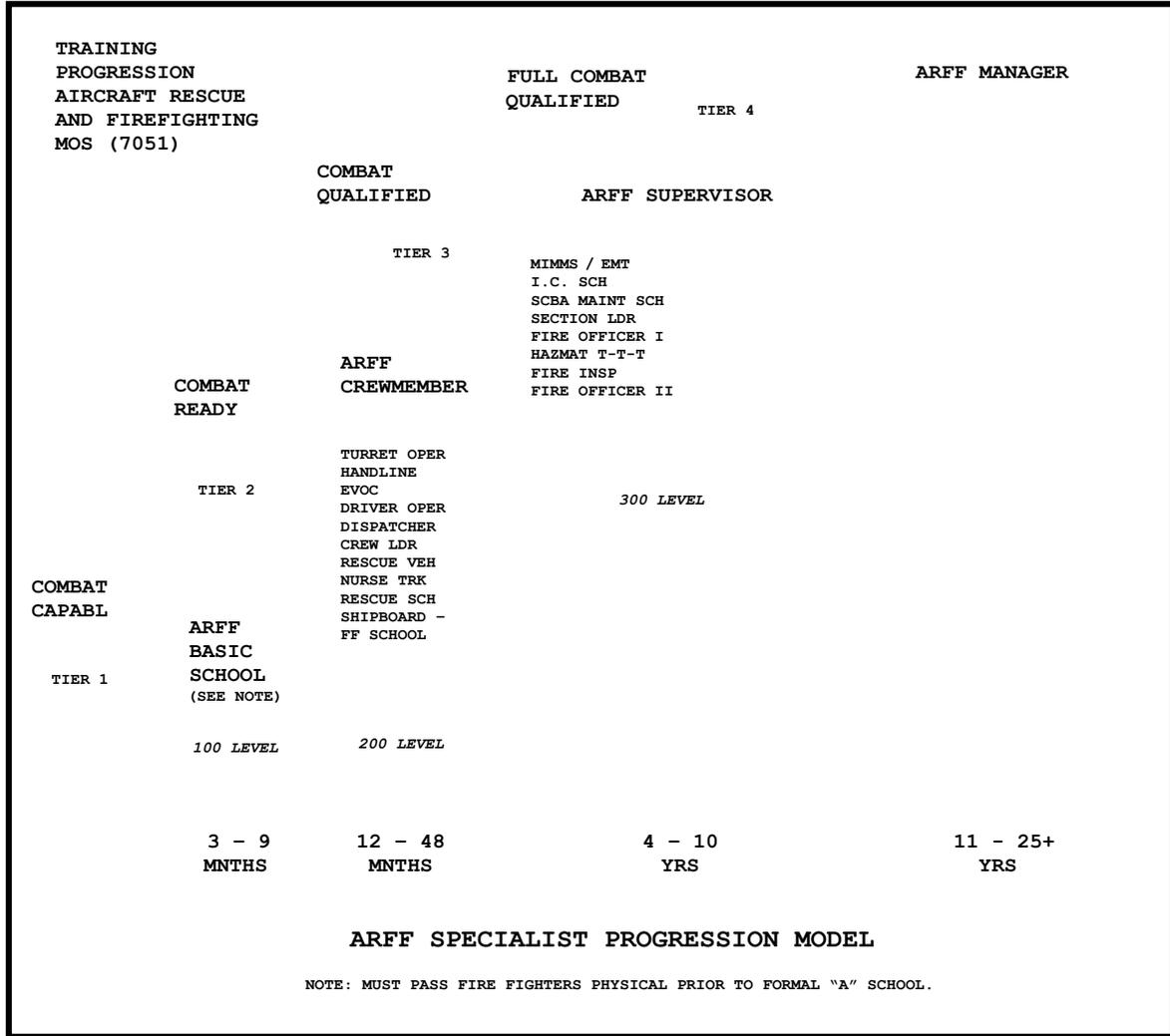


Figure 1-1.--ARFF Specialist Progression Model.

106. SPECIAL DESIGNATIONS

Table 1-5.--ARFF Special Designations.

| WEEKS | COURSE / PHASE | ACTIVITY |
|-------|------------------------------------|--|
| 14 | Aircraft/Structural Fire Fighter | DoD Joint Fire Protection Academy |
| 3 | Rescue Technician | DoD Joint Fire Protection Academy |
| 1 | Fire Inspector I | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 1 | Fire Inspector II | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 1 | Fire Officer I | CDC/or local DoD approved schools |
| 1 | Fire Officer II | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 2 | Fire Officer III | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 2 | Fire Officer IV | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 1 | Fire Instructor I | CDC/or local DoD approved schools |
| 1 | Fire Instructor II | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 1 | Fire Instructor III | DoD Joint Fire Protection Academy CDC/or local DoD approved schools |
| 4 | Hazard Materials Train-the-Trainer | DoD Joint Fire Protection Academy |
| 1 | Respiratory Protection Manager | Naval Safety Training center <u>or</u> local DoD approved schools |
| 4 | Emergency Medical Technician | Local Naval Hospital or Nationally recognized Training facility |
| 2 | Shipboard Fire Fighting Course | NAS Pensacola, FL. |
| 1 | ATLASS Program | Local Squadron MMO |

110. GROUND/ACADEMIC TRAINING. ACADEMIC TRAINING SHALL BE CONDUCTED FOR EACH PHASE/STAGE OF THE SYLLABUS. The following lecture, depicted in table 1-6, is strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Table 1-6.--ARFF Specialist Ground/Academic Training.

| Lecture Title | Sponsor |
|---|---------|
| Proposed 400 Level: Full Combat Qualified Training | |
| ARFF Conferences | DoD |

111. TRAINING REFERENCES. Table 1-7 lists the ARFF Specialist, MOS 7051 training references that shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation.

Table 1-7.--ARFF Specialist Training References.

| TRAINING REFERENCE | TITLE |
|---------------------------|---|
| AFM 91-201 | Explosives Safety Standard |
| AFOSHTD 161-21.1W6050.5-W | Air Force Occupational Safety Health Standard (DoD Handbook) |
| ANSI 288.5 | Practices for Respiratory Protection in the Fire Service |
| DoDI 6055.6 | DoD Fire and Emergency Services Program |
| DoDI 6055.6M | DoD Fire and Emergency Services Certification Program |
| ERG | Emergency Response Guide Book |
| IFSTA Manuals | International Fire Service Training Association Manuals |
| IFSTA Manual | Firefighting Essentials |
| IFSTA Manual | HAZMAT for the First Responder |
| IFSTA Manual | Aircraft Rescue and Firefighting |
| MCO 1500.31H | Enlisted Aviation Maintenance Trainee management System (EAMTRAMS) |
| MCO 3500.67 | AES Training & Readiness Manual (Interim) |
| MCO 3501.17 | MCCRES Order, Vol. XIII, MWSG Units |
| MCO 4855.10 | Product Quality Deficiency Report (PQDR) |
| MCO 5100.8 | Marine Corps Occupational Safety and Health Program Manual |
| MCO 11240.66 | Standard Licensing Policy for Operators of Military Motor Vehicles |
| MCO P3120.8 | Policy for the Organization of Fleet Marine Forces for Combat |
| MCO P3500.14 | Aviation T&R Manual, Administrative |
| MCO P3500.17A | Aviation Training and Readiness Manual, Support and Administrative Aircraft |
| MCO P4400 Series | Intermediate-Level Supply Management Policy Manuals |
| MCO P4790.2 | Individual Training Standards System (ITSS) |
| MCO P7100.8 | Field Budget Guidance Manual |
| MILSTRAP | Military Standard Transaction Reporting and Accounting Procedures |
| MILSTRIP | Military Standard Requisitioning and Issue Procedures |
| MSDS | Hazardous Material Storage Data Sheets |
| NAVAIR 00-80R-14 | NATOPS; US Navy Aircraft Firefighting and Rescue Manual |
| NAVAIR 00-80R-14-1 | NATOPS; US Navy Aircraft Emergency Rescue Information Manual |
| NAVAIR 00-80T-115 | Expeditionary Airfield Manual |
| NAWCWPNS TP 80-22 | Summary of ordnance "fast cook-off" times |
| NFPA Standards Manual | National Fire Protection Standards for Fire Service Professionals |
| NFPA 472 | Hazardous Materials Responder Competencies North American Emergency Response Guide Book |
| NFPA 1000 Series | Standards for Fire Service Professional Qualifications & Certifications |
| NFPA 1500 Series | Fire Service Occupational Safety and Health Standards |
| OSHA 29 CFR 1910.120 | Hazardous Waste Operations and Emergency Response |
| PDD-39 | US Policy on Counter Terrorism |
| TM 4700-15/1 | Ground Equipment Record Procedures |
| T.O. 11A-1-46 | Fire Fighting Guidance, Transportation and Storage Weapons of Mass Destruction Plans |
| | American Red Cross First Aid and CPR Standards |
| | American Heart Association CPR Standards |
| | Brady Basic First Aid Response Book |

| | |
|--|---|
| | DOT EMS First Responder Standards |
| | Local Standard Operating Procedures |
| | Local Air Operations Manuals |
| | Local Destructive Weather Plans |
| | Local Fire Bill / Pre-Mishap Plans |
| | Local Mutual Aid Agreements |
| | Local Squadron SOP |
| | Louis F. Garland Academy Orientation Handouts |
| | Manufacturer's Operating / Maintenance Instructions |
| | Vehicle Operator's Manual |

120. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

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

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

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

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

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

130. COMPONENTS OF A T&R EVENT

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

| | | | | | |
|----------------------|------------------|---------------------|----------------|--------------------|-----------------------|
| 1/ <u>SAM-XXX</u> | 2/ <u>0.5</u> | 3/ <u>T,C,R,</u> | 4/ <u>E</u> | 5/ <u>EQUIP</u> | 6/ <u>L/S (NS)</u> |
|----------------------|------------------|---------------------|----------------|--------------------|-----------------------|

Goal: The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge's, i.e., Engage a rotary winged aircraft.

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

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

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

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

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

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

NOTES:

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

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

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

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

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

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

131. COMBAT CAPABLE TRAINING

1. Purpose. The Combat Capable tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

a. General

(1) Administrative Notes. Level 100 specific training events / instruction will be conducted at the Louis F. Garland Fire Academy, San Angelo, Texas as outlined by the school's most current approved POI.

(2) Prerequisite. Firefighter must pass a physical examination per NFPA 1582 prior to attending the 7051 formal curriculum. Marines must attend "7" Level School, DoD Joint Fire Protection Academy, Goodfellow AFB, or obtain DoD Fire Instructor I and Fire Officer I through local training. All personnel may not be able to attend the "7" level school due to funding and or current billet assignment.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (33 Events, 544.0 Hours)

1. Fire Fighter Orientation

ORNT-101 2.0 E

Goal. Introduction to Fire Fighter Orientation.

Requirement. Without reference, identify basic facts about fire protection organization, roles of the fire fighters, and the mission of the fire service.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordnance. None.

External Syllabus Support. None.

2. Fire Protection, Organization and Safety

ORNT-102 8.0 E

Goal. Introduction to Fire Protection, Organization, and Safety.

Requirement. Without reference, identify basic facts about fire protection organization, roles of the fire fighters, and the mission of the fire service, identify basic facts about fire department rules, regulations, and Standard Operating Procedures (SOP) that apply to the position of a fire fighter, identify basic facts about applicable health and safety standards and fire

fighter responsibilities as required by NFPA standard 1500, describe the components of an employee assistance program (i.e. smoking cessation, weight control, stress or anger management), identify basic facts about fire protection security vulnerabilities and satisfactory completion of the performance standard.

Performance Standard. Per the references listed below and satisfactory completion of the following:

- (1) Given DoD Handbook AFOSHTD 161-21.1W6050.5-W, identify basic facts pertaining to the recognition and control of chemical hazards and environmental concerns in the work area.

Prerequisite. None.

References

- IFSTA Manual: Essentials of Fire Fighting
- AFOSHTD 161-21.1W6050.5-W
- NFPA 1500 Series

Ordinance. None.

External Syllabus Support. None.

3. Fire Behavior

FFSCI-103 6.0 E

Goal. Introduction to Understanding Fire Behavior.

Requirement. Without reference, identify simple facts of fire chemistry, define the methods of heat transfer and identify heat sources, describe thermal layering and recognize fire conditions, their hazards, and appropriate actions.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support. None.

4. Fire Alarm and Communications

FFCOM-110 17.5 E S/L

Goal. Introduction to Fire Alarm and Communication (Dispatch).

Requirement. Without reference, determine the purpose and function of all fire alarm receiving and alerting equipment, identify the components of fire alarm systems and fire location

indicators used in public or private properties, determine the procedures required for receiving a supervisory equipment alarm, a report of an emergency, and a business or personal call, identify the prescribed fire department radio procedures, the role of other agencies responding to emergencies, and the policy for ordering and transmitting multiple alarms and satisfactory completion of the performance standards.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated telecommunications center and a locally developed SOP, demonstrate appropriate communication procedures when receiving an alarm activation or a report of an emergency in a time limit of **30** minutes.
- (2) Given a fire incident and a fire incident scenario, complete a fire incident report.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support

- Instructor/Student Alarm Room Console Trainer

5. Building Construction

BPLN-111 4.0 E

Goal. Building Construction familiarization and hazards.

Requirement. Without reference define construction terminology, the types of construction and safety concerns, identify dangerous and hazardous building conditions created by fire and fire suppression activities, describe the effects of fire and fire suppression on building materials, identify indicators of building collapse and describe hazards associated with truss and lightweight construction

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support. None.

6. Fire Prevention

FFEDU-112 17.0 E S/L

Goal. Introduction to Fire Prevention and Public Fire Education.

Requirement. Without reference, identify fire hazards commonly found in residential, commercial, manufacturing, and public assembly occupancies, identify five (5) common causes of fire and their prevention, define the importance of inspection and public fire education programs to the fire department public relations and the community, identify basic facts about the components of fire suppression systems, identify life safety programs for the home and school exit drill procedures and satisfactory completion of the performance standards.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated private dwelling and necessary materials, demonstrate fire prevention inspection procedures and complete a written report and pre-fire plan.
- (2) Given a lesson plan, necessary material, and an identified audience, present and document a public fire education program in a time limit of **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support

- Home and Fire Inspection Trainer

7. Becoming A First Responder

EMS-120 8.5 E

Goal. Introduction to becoming a First Responder.

Requirement. Without reference, identify the introductory aspects of emergency medical care, the EMS system, roles and responsibilities, quality improvement, and medical oversight, describe the emotional aspects of emergency medical care, stress management, and Critical Incident Stress Debriefing (CISD), identify the components of scene safety, Body Substance Isolation (BSI), and Personal Protective Equipment (PPE), define ethical responsibilities, advance directives, consent, refusals, abandonment, negligence, duty to act, confidentiality, medical identification symbols, and crime scenes, describe and define the physiology of body systems and anatomy. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated victim, demonstrate the proper lifting and carrying techniques, and the principles of moving patients in a time limit of **10** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support. None.

8. Scene and Patient Assessment

EMS-121 11.0 E

Goal. Introduction to Scene and Patient Assessment.

Requirement. Without reference, describe the components of scene size-up, identify the initial assessment steps used to determine the priority for care and transportation of a patient, identify the components of a physical exam, the questions associated with obtaining a SAMPLE history, and the components of the on-going assessment, describe the first responder's role in extrication and rescue operations, Hazardous Materials (HAZMAT) incidents, mass casualty situations, and basic triage. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a patient and emergency scene scenario, size-up the scene, perform an initial assessment and physical exam of the patient, obtain a SAMPLE history, and conduct an on-going assessment in a time limit of **20** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Medical gloves

9. Airway Management

EMS-122 8.5 E

Goal. Introduction to Airway Management.

Requirement. Without reference, identify the different airway management techniques along with the signs of inadequate breathing, describe the importance and techniques associated with suctioning, list the steps involved in ventilating patients using various oral and nasal techniques. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the of the following:

- (1) Given an airway management mannequin and necessary equipment, demonstrate the use of oral and nasal airway management in a time limit of **10** minutes.
- (2) Given adult, child, and infant mannequins, clear a foreign body obstruction for a responsive and unresponsive patient in a time limit of **15** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Adult, child, and infant CPR mannequins
- Resuscitation mask
- Medical gloves

10. Circulation and CPR

EMS-123 7.5 E

Goal. Introduction to Circulation and CPR.

Requirement. Without reference, identify basic facts about circulation and the procedures used to provide CPR for an adult, child, and infant. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given adult, child, and infant mannequins, administer CPR for adult, child, and infant patients in a time limit of **15** minutes.
- (2) Given an adult mannequin, administer two-rescuer CPR procedures for an adult in a time limit of **15** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Adult, child, and infant CPR mannequins
- Resuscitation mask
- Medical gloves

11. Illness and Injury

EMS-124 9.0 E

Goal. Introduction and recognition of Illness and Injury.

Requirement. Without reference, describe the recognition and management of general medical complaints, seizures, altered mental status, environmental emergencies, psychological crisis, and typical patient situations, identify the steps involved in the care of a patient with internal and external bleeding, the management of soft tissues and burns, the dressing and bandaging of wounds, describe the injuries to the skeletal system, the spine, and the head. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the of the following:

- (1) Given a trauma scenario, patient(s), and necessary equipment, perform a scene size-up, initial assessment, and treat all injuries that are found in a time limit of **20** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Simulated victim
- Medical gloves
- Roller gauze and bandages

12. Children and Childbirth

EMS-125 8.5 E

Goal. Introduction to Children and Child Birth.

Requirement. Without reference, identify the anatomical differences between infants and children along with common medical and trauma situations; identify the anatomical and physiological changes that occur during pregnancy, the steps involved in the

delivery and care of a newborn. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given an childbirth mannequin and necessary equipment, demonstrate the proper techniques for delivering and caring for a newborn.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Child birth mannequin
- Medical gloves

13. Personal Protective Equipment (PPE)

PPE-130 20.0 E

Goal. Introduction to PPE, to include inspection, maintenance, donning, and doffing procedure.

Requirement. Without reference, identify basic facts about PPE, identify basic facts about the self-contained breathing apparatus (SCBA). Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a set of personal protective clothing, inspect protective clothing within **10** minutes, don the protective clothing within **60** seconds.
- (2) Given a PASS device, SCBA, checklist and observing all safety precautions, place the PASS device and SCBA in a safe condition within **10** minutes for immediate use.
- (3) Given an SCBA, while wearing partial PPE and observing all safety precautions, don and activate the SCBA within 60 seconds, then perform four (4) safety checks, and don remaining PPE.
- (4) Given an SCBA and required materials, perform and document routine maintenance of the SCBA while observing all safety precautions.
- (5) Given the emergency operations trainer (EOT), while wearing PPE and SCBA, observe all safety precautions, perform emergency procedures in the event of SCBA failure within **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Emergency Operations Trainer (EOT)
- SCBA
- PASS device
- Preventative Maintenance equipment
- Cascade System

14. Forcible Entry

RES-135 12.0 E S/L

Goal. Introduction to Forcible Entry Procedures and Equipment.

Requirement. Without reference, identify basic facts about forcible entry. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a forcible entry trainer and necessary tools and equipment while wearing PPE and observing all safety precautions, demonstrate the ability to operate and transport selected hand tools, force entry on doors, windows, and walls.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Forcible entry hand tool kit
- Forcible entry trainer
- Masonry trainer
- Swinging door trainer
- Window trainer
- Wall trainer

15. Search Procedures and Vehicle Extrication

SRCH-136 40.0 E S/L

Goal. Introduction to Search Procedures and Vehicle Extrication, to include victim removal drags/carries, building search procedures to include disoriented fire fighter, primary search procedures.

Requirement. Without reference, identify basic facts about building search procedures, identify basic facts about vehicle extrication. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given simulated victims and necessary equipment, while wearing PPE and SCBA, and observing all safety precautions, perform rescue drags and carries within **20** minutes.
- (2) Given a home search trainer and wearing PPE and SCBA and observing all safety precautions, as a team member, perform disoriented fire fighter procedures in a time limit of **10** minutes, perform primary search procedures to remove two victims from the building in a time limit of 30 minutes.
- (3) Given a wrecked vehicle, necessary tools and equipment, while wearing PPE and observing all safety precautions, as a team member, perform vehicle extrication in a time limit of **45** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade System
- Simulated victim
- Salvage cover
- Stokes basket
- Home search trainer
- Smoke machine
- Hose line
- Home search tool kit
- Wrecked vehicle
- Vehicle extrication tool kit
- Air chisel
- Air Bag System

- Air cylinder
- Hurst power unit
- Hurst tool kit
- Cribbing

15. Ropes, Knots, and Ladders

FFEQP-137 30.5 E

Goal. Introduction to Ropes, Knots, and Ladders, to include uses, inspection, cleaning, and maintenance.

Requirement. Without reference, identify basic facts about ropes and knots, identify basic facts about fire service ladders. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a section of rope, while wearing PPE and observing all safety precautions inspect rope, then tie fire service knots in a time limit of **15** minutes.
- (2) Given necessary rope, tools and equipment, while wearing PPE and observing all safety precautions, hoist tools and equipment in a time limit of **30** minutes.
- (3) Given various ladders, while wearing PPE and observing all safety precautions, perform ladder raises.
- (4) Given various ladders, tools and equipment, while wearing PPE and SCBA and observing all safety precautions, perform ladder stations in a time limit of **15** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Rope kit
- Rope bag with rope
- Hoisting tool kit
- 12 foot roof ladder
- Power saw
- Folding attic ladder
- 24 foot extension ladder
- 35 foot extension ladder
- Preventative Maintenance equipment

- Cascade System
- Home search trainer
- Ladder stations tool kit

16. Ventilation Practices

VENT-138 24.0 E S/L

Goal. Introduction to Ventilation Practices to include procedures in horizontal, vertical, and forced ventilation.

Requirement. Without reference, identify basic facts about ventilation. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a structural trainer, necessary tools and equipment, and wearing PPE and SCBA and observing all safety precautions, as a team member, perform horizontal ventilation in a time limit of **30** minutes.
- (2) Given structural trainer, necessary tools and equipment, and wearing PPE and SCBA and observing all safety precautions, as a team member, perform vertical ventilation on a basement, flat roof or pitched roof in a time limit of **35** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade system
- Home search trainer
- Multi purpose trainer
- Smoke machine
- Horizontal ventilation kit
- Smoke ejector
- High volume blower
- Power saw
- Vertical ventilation tool kit
- 12 foot roof ladder
- 24 foot extension ladder
- 35 foot extension ladder

17. Miscellaneous Rescue

RES-139 14.5 E

Goal. Introduction to Miscellaneous Rescue, to include window and ladder rescues.

Requirement. Without reference, identify basic facts about miscellaneous rescue. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given extension ladders, necessary tools and equipment, while wearing PPE and SCBA, and observing all safety precautions, perform window rescue and ladder rescue.
- (2) Given necessary tools and equipment, while wearing PPE and SCBA, and observing all safety precautions, perform DoD Firefighter fitness/wellness stations.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade System
- Home search trainer
- Window and ladder rescue tool kit
- 24 foot extension ladder
- DoD firefighter fitness/wellness tool kit
- 12 foot roof ladder
- Simulated victim
- Hurst hydraulic spreader tool
- Concrete filled tire

18. Water Supplies, Fire Hose, and Fire Streams

FFAPP-140 56.0 E

Goal. Introduction to Water Supplies, Fire Hose, and Fire Streams to include basic facts about fire hoses, appliances, tools, fire streams, water supplies and hose laying procedures set up procedures for drafting and the flow testing of fire hydrants.

Requirement. Without reference, identify basic facts about water supplies; identify basic facts about fire hoses, appliances, tools, fire streams, and hose laying procedures to include the following:

- (a) Perform forward and reverse lay operations.
- (b) Perform **100** foot hose hand lay from shoulder.
- (c) Perform charged and dry hose advancements, up and down exterior to interior procedures.
- (d) Perform dry and charged hose advancements from an extension ladder.
- (e) Perform annual fire service testing maintenance, and cleaning procedures of a fire hose.
- (f) Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a structural fire fighting vehicle, necessary tools and equipment, and a drafting pit, as a team member, assemble and connect the equipment necessary for drafting from a static water source.
- (2) Given two sections of fire hose, perform hose applications within **3** minute per application.
- (3) Given a hose bed trainer, as a team member, load supply lines in a time limit of **12** minutes per loading method.
- (4) Given a pitot tube, gauge, and a fire hydrant, inspect, read, and record flow pressures from a hydrant within **5** minutes.
- (5) Given a supply hose line, a fire hydrant, and necessary tools and equipment, perform hydrant operations in a time limit of **3** minutes.
- (6) Given a structural fire fighting vehicle and mounted equipment, as a team member, load attack lines in a time limit of **10** minutes per load.
- (7) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform forward hose lays in a time minute of **8** minutes.
- (8) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform reverse hose lays in a time limit of **7** minutes.
- (9) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform hose advancement operations in a time limit of **4** minutes per advancement.
- (10) Given the necessary equipment, and a structural trainer, as a team member, perform hose operations from an extension ladder in a time limit of **5** minutes per operation.
- (11) Given a hose tester, fire hose, and the necessary tools and equipment, perform an annual service test of hose in a time limit of **20** minutes.

- (12) Given fire hose and the necessary tools and equipment, clean, maintain, and inspect fire hose and couplings in a time limit of **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Portable water tank
- Pitot tube and gauge
- Flow test recording board
- SCBA
- Structural fire fighting vehicle and mounted equipment
- Structural trainer
- Salvage covers
- 24 foot extension ladder
- Fire hose tester
- Simulated fire hydrants
- Unit 1 equipment locker

19. Salvage and Overhaul

SAL-145 16.0 E S/L

Goal. Introduction to Salvage and Overhaul Familiarization.

Requirement. Without reference, identify basic facts about salvage and overhaul, identify responsibilities of the fire fighter in determining the point of origin, cause, and protection of evidence in fires, identify basic facts about fire service electrical equipment, identify facts about fire extinguishers to include maintenance, inspection and use. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given salvage equipment, as a team member, perform salvage cover operations in a time limit of **15** minutes.
- (2) Given fire service power and lighting equipment, as a team member, operate the lighting equipment safely in a time limit of **5** minutes.
- (3) Given a fire scene and necessary tools and equipment, as a team member, protect evidence of fire cause and origin.

- (4) Given a structural fire-fighting vehicle, mounted equipment, and a structural trainer, operate fire extinguisher, expose and extinguish hidden fires.
- (5) Given salvage materials, as a team member, cover or close building openings in a time limit of **10** minutes.
- (6) Given salvage and overhaul equipment, and cleaning materials, as a team member, clean and inspect the equipment.
- (7) Given a sprinkler system, stop the flow of the water at the sprinkler head and at the main control valve in a time limit of **3** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Salvage covers
- Roof ladder
- Structural trainer
- Cleaning materials
- Burned debris
- Investigation trainer
- Pike poles
- Arson investigation training kit
- Salvage tool set
- Fire service lighting equipment
- Salvage and overhaul trainer
- Pick axe
- Sprinkler plugs
- Unit 2 equipment locker
- Structural fire fighting vehicle and mounted equipment

20. Fire Control

FFOPS-150 54.5 E S/L

Goal. Introduction to Fire Control.

Requirement. Without reference, identify basic facts about fire control, identify facts about controlling and extinguishing vehicle fires, identify facts about extinguishing wildland (ground cover) fires, identify basic facts about the incident management system. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given a fire-fighting vehicle, necessary tools and equipment, and a wildland training area, as a team member, combat a ground fire.
- (2) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control a flammable gas cylinder fire.
- (3) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, extinguish an ignitable liquid fire.
- (4) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control and extinguish a vehicle fire.
- (5) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control and extinguish interior structure fires.
- (6) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, coordinate an interior attack line team's accomplishment of an assignment.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Structural fire fighting vehicle and mounted equipment
- Structural trainer
- Exterior fire trainer
- Portable radios
- Fire shelters
- Wildland PPE
- Brush hooks
- Council rakes
- McLeod
- Pulaski tools
- Backpack pump tanks
- Personnel accountability system

- Car fire trainer
- Wild land fire trainer
- Unit 3 equipment locker

21. Hazardous Material (HAZMAT) / Awareness Level

HAZMAT-160 14.5 E

Goal. Introduction to the HAZMAT Awareness Level - "Analyzing and Implementing the Incident".

Requirement. Without reference, determine general principles of response at the Awareness Level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given various facility and/or transportation situations, or both, with or without HAZMAT present, identify the principles of analyzing and implementing a HAZMAT response at the awareness level.
- (2) Given the name, UN/NA number, or placard type, a current Emergency Response Guidebook, a local emergency response plan and SOP, and a facility or transportation scenario including HAZMAT, collect hazard information, initiate protective action, and initiate the response process within **60** minutes.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support. None

22. HAZMAT / Operations Levels I - III

HAZMAT-161 14.5 E

Goal. Introduction to HAZMAT Operations Level Part I - "Analyzing the Incident".

Requirement. Without reference, identify general principles of the First Responder Operations level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given various facility and/or transportation situations, or both, with HAZMAT present, identify the principles of analyzing a HAZMAT response at the operations level.
- (2) Given examples of HAZMAT containers, identify 16 out of 20 containers by type in a time limit of **30** minutes.
- (3) Given material safety data sheets (MSDS), a current ERG, and shipping papers, identify hazard and response information for two chemicals in a time limit of **30** minutes.
- (4) Given a simulated HAZMAT incident, the surrounding conditions, the concentration of a released material, shipping paper, and a current ERG, estimate the type and number of exposures, and factors for determining the extent of hazards within the endangered area in a time limit of **30** minutes.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP
- Hazardous Material Safety Data Sheet (MSDS)

Ordinance. None.

External Syllabus Support. None.

HAZMAT-162 4.5 E

Goal. Operations Level Part II - "Planning the Response".

Requirement. Without reference, identify the principles for planning the response to a HAZMAT incident at the operations level.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook

- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE

HAZMAT-163 14.0 E

Goal. Operations Level Part II - "Planning and implementing the response".

Requirement. Without reference, identify the principles of defensive decontamination procedures at a HAZMAT incident at the operations level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given scenarios for facility and/or transportation HAZMAT incidents, identify the principles for completing and implementing the planned response for a HAZMAT incident at the operations level.
- (2) Given the necessary equipment, as a team member, demonstrate basic defensive control activities and emergency decontamination in a time limit of **60** minutes.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE
- SCBA

- Structural fire fighting vehicle with equipment

HAZMAT-164 4.0 E

Goal. Competencies - "Evaluating Progress".

Requirement. Without reference, identify principles involved with evaluating the progress of a HAZMAT incident at the operations level.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- TO 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE

23. Aircraft and Airport Familiarization

ACFAM-170 13.0 E

Goal. Introduction to Aircraft and Airport Familiarization.

Requirement. Without reference, identify the principles of airport familiarization, standby operations, principles of aircraft familiarization. Satisfactory completion of the performance standards is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given airport infrastructure maps, identify hydrant locations and airport markings and lights in a time limit of **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- Airport infrastructure map

24. Aircraft Response and Fire Fighting Principles

FFPRNC-175 19.0 E

Goal. Introduction to Aircraft Response and Fire Fighting Principles.

Requirement. Without reference, identify principles of the incident management system, identify the principles of fire extinguishing agent selection, identify principles of aircraft fire fighting, determine procedures involved in an aircraft emergency response incident or accident on and off an airport, identify principles of the airport emergency plan and the aircraft pre-fire plan, determine communications procedures on an airport. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given an airport grid map and an overlay, perform two
 - (2) grid map operations in a time limit of **10** minutes.
- (2) Given a simulated aircraft emergency, observing all safety precautions, perform proper communications and radio operations required for a complete aircraft incident operation.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- Airport grid maps and overlays

25. Aircraft Rescue Procedures

ACRES-176 29.5 E S/L

Goal. Introduction to Aircraft Rescue Procedures.

Requirement. Without reference, identify the principles of PPE used in aircraft fire fighting, determine the capabilities and limitations of manual and power rescue tools, equipment, and high reach devices. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given proximity PPE, don PPE in a time limit of **60** seconds.

- (2) Given a helicopter and a fighter type aircraft, as a team member, perform rescue operations in a time limit of **10** minutes.
- (3) Given a cargo aircraft and mechanical ventilation equipment, as a team member perform mechanical ventilation on the aircraft in a time limit of **15** minutes.
- (4) Given a cargo aircraft and all necessary specialized rescue equipment, as a team member, gain entry, shut down engine(s), extricate, evaluate and remove all victims in a time limit of **45** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- HC-53 helicopter
- F15 aircraft
- F15 canopy strut
- F16 aircraft
- F16 ladder
- Ladder
- C-130 aircraft
- Simulated victims
- Cascade system
- Power saw
- Hydraulic devices
- Pneumatic devices
- Cutting tools
- Pulling devices
- Ventilation equipment
- Triage equipment
- Little Giant ladder
- Radios
- Light-all
- A/S32-P19 (Aircraft Rescue and Firefighting vehicle)

26. Aircraft Rescue and Fire Fighting Vehicles

FFVEH-177 29.5 E

Goal. Introduction to Aircraft Rescue and Fire Fighting Vehicles.

Requirement. Without reference, determine operational procedures on ARFF vehicles.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- A/S32P-23
- A/S32P-19
- A/S32P-19A

27. Live Aircraft Fire Training

ARFF-178 33.5 E S/L

Goal. Familiarize and apply live aircraft fire training and applications.

Requirement. Capable of performing miscellaneous aircraft fires, rapid re-supply operations, various aircraft fuel fires, a three-dimensional aircraft fuel fire, and large frame simulated aircraft interior fires. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given an ARFF vehicle, re-supply equipment, and a team member, perform rapid re-supply operations in a time limit of **15** minutes.
- (2) Given an ARFF vehicle, hand line, various simulated aircraft, and aircraft fuel fires, as a team member, extinguish the fire in a time limit of **10** minutes.
- (3) Given an ARFF vehicle, turret, various simulated aircraft, and fuel fires, as a team member, extinguish the fire in a time limit of **90** seconds.
- (4) Given an ARFF vehicle, hand line, primary agent, and a three-dimensional aircraft fuel fire, extinguish the fire and secure the fuel source in a time limit of **15** minutes.
- (5) Given an ARFF vehicle, hand line, ladder, large frame simulated aircraft, and aircraft interior fires, as a team member, advance charged and uncharged hand lines and control and extinguish all fires in a time limit of **30** minutes.

- (6) Given and ARFF vehicle, hand line, and a miscellaneous aircraft fire, as a team member, control and extinguish a miscellaneous aircraft fire utilizing an appropriate agent in a time limit of **30** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- A/S32P-23
- A/S32P-19
- A/S32P-19A
- 2500 L
- PPE
- Small frame aircraft burn trainer
- Helicopter burn trainer
- Large frame aircraft burn trainer
- Hearing protection
- Cascade system
- Corrosion control materials
- Preventative maintenance materials
- Hydrant wrench
- Spanner wrench
- Supply hose
- Salvage equipment
- Sheet metal
- Crash axe, pry axe, or halligan tool
- Radios

28. Course Feedback and Graduation

GRAD-180 1.5

Goal. Course Feedback and Graduation.

Requirement. None.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

29. End-of-Course Appointment (MT)

ECA-181 2.0

Goal. End-of-Course Appointment (MT).

Requirement. None.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

132. COMBAT READY TRAINING

1. Purpose. In the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

a. General

(1) Administrative Notes. Emergency Vehicle Operator Course must be completed prior to completion of 200 level events. Prior to completion of SUP-200 level requirements, Marine must attend a local Incident Command school.

(2) Prerequisite. Marine must obtain Government Vehicle Operators License.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (29 Events, 156.0 Hours)

2. Naval Air Training and Operating Procedures Standardization (NATOPS) Required Training

NATOPS-200 1.0 E

Goal. Demonstrate basic elements of a First Responder.

Requirement. Given a simulated victim, while wearing proper personal protective equipment, and provided appropriate first aid and/or CPR equipment, perform to standards as a First Responder.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- DOT EMS, First Responder Standard
- American Red Cross First Aid and CPR Standards
- American Heart Association CPR Standards

Ordinance. None.

External Syllabus Support. None.

NATOPS-201 2.0 E L/S

Goal. Demonstrate proficiency in maintaining life saving equipment in a state of readiness.

Requirement. Given emergency equipment, appropriate checklist and operating manuals, perform emergency equipment operations and maintenance on assigned hydraulic forcible entry/rescue tools, assigned rescue saw, and assigned rescue air chisel and associated air tools.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- Manufacturer's Operation / Maintenance Instructions

Ordnance. None.

External Syllabus Support. None.

NATOPS-202 1.0 E L/S

Goal. Demonstrate proficiency in utilizing maps in order to coordinate rescue operations.

Requirement. Given grid coordinates and appropriate grid map, properly identify mishap site.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAVAIR 00-80R-14

Ordnance. None.

External Syllabus Support. None.

NATOPS-203 1.0 E L/S

Goal. Demonstrate knowledge of various characteristics of U.S. Military aircraft.

Requirement. Given the appropriate reference manual, identify characteristics of a given aircraft.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1

Ordnance. None.

External Syllabus Support. None.

NATOPS-204 2.0 E L/S

Goal. Demonstrate/Maintain proficiency as an aircraft fire fighter.

Requirement. Given the proper personal protective and firefighting equipment, suppress an aircraft fire and/or emergency.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

NATOPS-205 2.0 E L/S

Goal. Suppress a structural fire and/or emergency.

Requirement. Given proper personal protective and firefighting equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

NATOPS-206 8.0 E L/S

Goal. Perform the duties of an emergency services dispatcher.

Requirement. Assigned as an emergency services dispatcher, and given the following:

- (a) Radio communications mobile, base and handheld units.
- (b) Public address system.
- (c) Local crash network.
- (d) Emergency notifications systems.
- (e) Maintain the chronological daily journal.
- (f) Activate the Primary Emergency Alarm Network.
- (g) Activate Mutual Aid Response as directed.
- (h) Operate telecommunications equipment.
- (i) Maintain communications between Communications center and emergency response equipment.

- (j) Monitor ordnance cook off times.
- (k) Locate and relay mishap location on grid map.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- IFSTA Manuals
- TP 8022
- Local SOP
- Manufacturer's Operation / Maintenance Instructions

Ordnance. None.

External Syllabus Support. None.

3. Firefighter Operations

FFOPS-210 10.0 E L

Goal. Perform the duties of a turret operator.

Requirement. Given proper personal and firefighting equipment, and an airport firefighting vehicle.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- Vehicle Operator's Manual
- NFPA 1000 Series

Ordnance. None.

External Syllabus Support. None.

FFOPS-211 10.0 E L

Goal. Perform the duties of a handline operator.

Requirement. Given an AFFF/water or Halon (1211) handline, proper personal and firefighting equipment, and firefighting vehicle.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series
- Vehicle Operations Manual

Ordnance. None.

External Syllabus Support. None.

FFOPS-212 10.0 E L

Goal. As a crewmember, perform fire fighting support operations utilizing assigned firefighting apparatus.

Requirement. Given appropriate personal protective and firefighting apparatus and equipment.

Performance Standards. Per the given references listed below and, at a minimum, utilizing structural fire hoses, appliance and streams.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series

Ordnance. None.

External Syllabus Support. None.

FFOPS-213 8.0 E L

Goal. Perform the duties of a crewmember on a Twin Agent Unit (TAU).

Requirement. Given proper personal equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- Manufacturer's Operating Manuals
- Appropriate technical manuals

Ordnance. None.

External Syllabus Support. None.

FFOPS-214 10.0 E S/L

Goal. Perform aircrew and passenger rescue on assigned aircraft.

Requirement. Given appropriate personal protective equipment, rescue tools and access to assigned aircraft.

Performance Standards. Per the given references listed below, demonstrate the following:

- (1) Aircraft forcible entry.
- (2) Canopy/crew door entry.

(3) Ejection seat safety.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. Access to assigned aircraft.

FFOPS-215 1.0 E S/L

Goal. Conduct Hazardous Materials response to the Hazardous Materials Operations level.

Requirement. Given a Hazardous Materials incident and appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- NFPA 472
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

FFOPS-216 6.0 E S/L

Goal. Perform emergency operations involving ordnance.

Requirement. Given appropriate personal protective and firefighting equipment, and an emergency involving ordnance.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- TP 8022

Ordinance. Inert ordnance (as required).

External Syllabus Support. None.

3. Driver Operators License

DROPS-217 40.0 E L

Goal. Obtain a major fire fighting or support vehicle operators license.

Requirement. Given an assigned major fire fighting or support vehicle, local training and testing requirements.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MCO 11240.66
- NAVAIR 00-80R-14
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

4. Emergency Medical Technician

EMT-218 36.0 E S/L

Goal. Perform the duties as an Emergency Medical Technician (EMT).

Requirement. Given the proper personal protective and appropriate emergency medical equipment.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Attend and complete a local EMT program.

Reference

- DOT EMS standards

Ordinance. None.

External Syllabus Support. None.

5. Fire Protection Supervisor

SUP-220 1.0 E L

Goal. Operate and maintain T/E assigned Self-Contained Breathing Apparatus (SCBA).

Requirement. Given the appropriate tools.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1500 Series
- NFPA 1000 Series
- Manufacturer's Operation / Maintenance Instructions

Ordinance. None.

External Syllabus Support. None.

SUP-221 A/R E L/S

Goal. Perform the duties of an initial response incident commander.

Requirement. Given resources appropriate to the incident.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- NFPA 1500 Series

Ordinance. None.

External Syllabus Support. None.

SUP-222 A/R E L

Goal. Conduct both formal and informal training of assigned personnel.

Requirement. Given a prepared lesson plan and instructional materials.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Fire Instructor I.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- Local SOP

Ordinance. None.

External Syllabus Support. None.

SUP-223 1.0 E L

Goal. Inspect assigned firefighting and rescue personnel and operational areas.

- MCO P3120.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-232

A/R

L/S

Goal. Prepare Quality Deficiency Reports.

Requirement. Given defective vehicle parts, clothing and equipment, and the required publications.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MCO 4855.10

Ordinance. None.

External Syllabus Support. None.

MGMT-233

A/R

L/S

Goal. Prepare materials reports and forms.

Requirement. Given appropriate information.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MILSTRIP
- MILSTRAP
- MCO P4400 Series
- MCO 4790.2
- TM 4700-15/1

Ordinance. None.

External Syllabus Support. None.

MGMT-234

1.0

L

Goal. Manage the Respiratory Protection Program.

Requirement. Given written guidelines and appropriate equipment.

Performance Standards. Per the given references listed below, and at a minimum and not limited to:

- (1) Air quality control testing/monitoring.
- (2) Air compressor/Cascade SOP.

- (3) SCBA management.
- (4) Fit Test requirements.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO 5100.8
- ANSI 288.5
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-235 1.0 E L

Goal. Supervise required billet specific programs necessary to maintain firefighting and rescue organizations.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
 - (a) Vehicles
 - (b) Equipment
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing Program.
- (9) Training Program.
- (10) Halon Proliferation Program.

Prerequisite. None.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO 4790.2
- NFPA Standards Manual
- Local Squadron SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-236 1.0 E L

Goal. Prepare budget requirements to maintain firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum will include:

- (1) Protective clothing allowance.
- (2) Firefighting agents stock.
- (3) Consolidate Memorandum Receipt (CMR)/SMFR.
- (4) Table of Equipment (T/E).
- (5) Mid-Year review.
- (6) TAD budget.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO 3500.17A
- MCO P7100.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-237

1.0

L

Goal. Manage the organizational training program.

Requirement. Utilizing available resources.

Performance Standards. Per the given references listed below, to include, as a minimum:

- (1) Preparation of Annual/Quarterly Training Plan.
- (2) Preparation of the monthly training schedule.
- (3) External syllabus support requirements scheduling.
- (4) Required reports.
- (5) Lesson outlines.
- (6) Testing programs.
- (7) T&R Manual, Administrative (MCO 3500.14).

Prerequisite. None.

References

- MCO 1500.31H
- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-238

1.0

L

Goal. Maintain vehicle and firefighting equipment engineer records.

Requirement. Given appropriate information.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MCO 4790.2
- TM 4700-15/1
- Local SOP

Ordinance. None.

External Syllabus Support. None.

133. COMBAT QUALIFICATION TRAINING

1. Purpose. The combat qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

a. General

(1) Administrative Notes. Must possess a Government operators permit for assigned major firefighting vehicle. Prior to completion of SUP-300 events Marine must certify at the DoD Fire Service Instructor I level. Prior to completion of MGMT-300 events, Marine must certify as a DoD Fire Officer III/IV.

(2) Prerequisite. Must have completed and passed Emergency Vehicle Operator Course.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (13 Events, 17.0 Hours)

2. Driver Operator/Dispatcher/Crew Leader

SLDR-302 1.0 E L

Goal. Perform the duties of a section leader.

Requirement. Assigned as a section leader.

Performance Standards. Per the given references listed below, and at a minimum:

- (1) Respond to emergency situations.
- (2) Situation evaluation.
- (3) Deployment of on-hand assets.
- (4) Direct firefighting, rescue, hazardous materials **or** emergency medical response.

Prerequisite

- (1) Must possess license for assigned major firefighting vehicle.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- Local SOP

Ordinance. None.

External Syllabus Support. None.

3. Supervisory Firefighter

SUP-320 1.0 E L

Goal. Perform duties of a Fire Inspector I.

Requirement. Given the fire protection and prevention plan.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Fire Inspector I certified.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NFPA Standards Manual
- Local SOP
- Local Fire Bill

Ordinance. None.

External Syllabus Support. None.

SUP-321 1.0 E L

Goal. Conduct fire extinguisher training.

Requirement. Given a lesson plan and appropriate training aids.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Fire Instructor I certified.

References

- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

SUP-322 1.0 E L

Goal. Inspect assigned fire fighting and rescue personnel and operational and functional areas.

Requirement. Given inspection criteria.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

SUP-323 8.0 E S/L

Goal. Perform the duties of a HAZMAT Technician.

Requirement. Given inspection criteria.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Graduate of the TTT Course at Goodfellow Fire Academy or approved local schools.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

4. Fire Protection Management

MGMT-330 1.0 E S/L

Goal. Identify equipment and personnel requirements for Forward Base Operations.

Requirement. Given the ACE commander's intent.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO P3501.17

- NFPA Standards Manual
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-331

A/R E L

Goal. Prepare Standing Operating Procedures for firefighting and rescue operations.

Requirement. Per the references listed below.

Performance Standard. None.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NFPA Standards Manual
- Local Air Operations Manual

Ordinance. None.

External Syllabus Support. None.

MGMT-332

A/R E L

Goal. Establish aviation and structural firefighting and rescue duty sections.

Requirement. Given the commander's intent for operational readiness.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO P3501.17
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-333

1.0 E S/L

Goal. Prepare a Disaster Control/Crash Bill for firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- Local Air Operations Manual
- Destructive Weather Plan
- T.O. 11A-1-46

Ordinance. None.

External Syllabus Support. None.

MGMT-334

A/R

E

L

Goal. Establish required programs necessary to maintain firefighting and rescue organizations.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
 - (a) Vehicles
 - (b) Equipment
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing Program.
- (9) Training Program.
- (10) Halon Proliferation Program.

Prerequisite. None.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 0-80T-115
- MCO 4790.2
- NFPA Standards Manual
- Local Squadron SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-335

1.0

E

S/L

Goal. Develop budget requirements to maintain firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and

at a minimum, will include:

- (1) Protective clothing allowance.
- (2) Firefighting agents stock.
- (3) Consolidate Memorandum Receipt (CMR)/SMFR.
- (4) Table of Equipment (T/E).
- (5) Mid-Year review.
- (6) TAD budget.
- (7) Training budget.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO P3500.17
- MCO P7100.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-336

A/R E L

Goal. Conduct the administrative duties required to maintain Firefighting and Rescue Organizations.

Requirement. Given Operational Commander's intent.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NAVAIR 00-80R-20
- NAWCWPNS TP 80-22
- Local SOP
- Local Fire Bill/Pre-Mishap Plan
- Local Mutual Aid Agreements

Ordinance. None.

External Syllabus Support. None.

MGMT-337

1.0 E S/L

Goal. Coordinate all phases of firefighting and rescue operations.

Requirement. Given an emergency situation.

Performance Standards. Per the given references listed below, proficiency is to be demonstrated to **100%** in the following areas:

- (1) Aircraft mishap.
- (2) Mass casualty incident.
- (3) Hazardous materials.
- (4) Structural fire incident.
- (5) Wild land fire incident.
- (6) Weapons of Mass Destruction.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals
- PDD-39

Ordinance. None.

External Syllabus Support. None.

134. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The Full Combat Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

a. General

(1) Administrative Notes. Requirements described in this tier may not be available to all Marines due to school seat availability and/or Marine's current billet assignment. SUP-400 may be completed through the DoD Joint Fire Protection Academy or locally approved available schools. SUP-401 may not be available to all Marines due to school seating restrictions. NCOICs are urged to attend the NCOIC Senior Fire Protection Management Symposium.

(2) Prerequisite. Completion of all Level 300 Firefighter requirements.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (4 Events, 12.0 Hours)

2. Rescue Technician

FF-400 10.0 E S/L

Goal. Perform specialized rescue operations.

Requirement. Given the appropriate personal protective and rescue equipment.

Performance Standards. Per the given references listed below and at a minimum, perform the following:

- (1) High Angle rescue.
- (2) Confined Space rescue.
- (3) Trench rescue.
- (4) Water rescue operations.
- (5) WMD response.
- (6) Structure Collapse rescue operations.

Prerequisite

- (1) Completion of the DoD Joint Fire Protection Academy's Rescue Technician Course or locally approved equivalent.

References

- DoDI 6055.6
- NFPA 1000 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

3. Shipboard Fire Protection

FF-401 A/R E S/L

Goal. Perform shipboard aviation firefighting operations.

Requirement. Given appropriate personal protective and shipboard aviation firefighting equipment.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Attendance at a Navy Shipboard Firefighting school is required.

Reference

- Appropriate Marine Air Wing Orders to include local SOP.

Ordinance. None.

External Syllabus Support. None.

4. Supervisory Firefighter

SUP-420 1.0 L

Goal. Perform the duties of a Fire Inspector II.

Requirement. Given the appropriate technical publications and directives.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Completion of the Fire Inspector's II Course, DoD Joint Fire Protection Academy, Goodfellow AFB or locally approved school.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

SUP-421 1.0 L

Goal. Perform the duties of a Hazardous Materials instructor.

Requirement. Given appropriate lesson outlines and training aids.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Completion of the Hazardous Materials Train-the-Trainer Course, DoD Joint Fire Protection Academy, Goodfellow AFB.

References

- OSHA CFR 1910,120q
- DoDI 6055.6
- DoDI 6055.6M
- NAVAIR 00-80R-14
- NFPA 472
- NFPA 1000 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

170. PROFICIENCY INTERVALS. Tables 1-8 thru 1-10 list the proficiency intervals for the 7051 Combat Readiness, Combat Qualification, and Full Combat Qualification training levels.

Table 1-8.--ARFF Specialist Proficiency Interval For The Combat Readiness Training Level.

| EVENT | CODE | HOURS | PROFICIENCY INTERVAL | CRP | R | E | CONDITIONS & REMARKS |
|--------|------|-------|----------------------|-----|---|---|----------------------|
| NATOPS | 200 | 1.0 | 12 | 1.0 | X | X | L |
| | 201 | 2.0 | N/A | .75 | | X | L/S |
| | 202 | 1.0 | 6 | .25 | X | X | S/L |
| | 203 | 1.0 | 6 | 1.0 | X | X | L/S |

| EVENT | CODE | HOURS | PROFICIENCY INTERVAL | CRP | R | E | CONDITIONS & REMARKS |
|--------------|-----------|--------------|----------------------|------------|---|---|----------------------|
| | 204 | 2.0 | 1 | .5 | X | X | S/L |
| | 205 | 2.0 | 3 | .5 | X | X | S/L |
| | 206 | 8.0 | 6 | .5 | X | X | L |
| FFOPS | 210 | 10.0 | 12 | .25 | X | X | L |
| | 211 | 10.0 | 12 | .50 | X | X | L |
| | 212 | 10.0 | 12 | 1.0 | X | X | L |
| | 213 | 8.0 | 6 | .5 | X | X | L |
| | 214 | 10.0 | 3 | .5 | X | X | S/L |
| | 215 | 1.0 | 12 | 1.0 | X | X | S/L |
| | 216 | 6.0 | 6 | .75 | X | X | S/L |
| DROPS | 217 | 40.0 | N/A | 1.0 | | X | L |
| EMT | 218 | 36.0 | 36 | 1.25 | X | X | S/L |
| SUP | 220 | 1.0 | 12 | .25 | X | X | L |
| | 221 | A/R | 3 | 1.0 | X | X | L/S |
| | 222 | A/R | 3 | 1.0 | X | X | L |
| | 223 | 1.0 | 3 | .5 | X | X | L |
| | 230 | A/R | 12 | .5 | X | | L |
| | 231 | 1.0 | 3 | .5 | X | | L/S |
| | 232 | A/R | 12 | .25 | X | | L/S |
| | 233 | A/R | N/A | .25 | | | L/S |
| | 234 | 1.0 | 12 | 1.0 | X | | L |
| | 235 | 1.0 | 12 | 1.0 | X | X | L |
| | 236 | 1.0 | 6 | 1.0 | X | X | L |
| | 237 | 1.0 | 12 | 1.0 | X | | L |
| | 238 | 1.0 | 6 | .5 | X | | L |
| TOTAL | 29 | 156.0 | | 20% | | | |

Table 1-9.--ARFF Specialist Proficiency Interval For The Combat Qualification Training Level.

| EVENT | CODE | HOURS | PROFICIENCY INTERVAL | CRP | R | E | CONDITIONS & REMARKS |
|--------------|-----------|-------------|----------------------|------------|---|---|----------------------|
| SLDR | 302 | 1.0 | 6 | 2.0 | X | X | L |
| SUP | 320 | 1.0 | 12 | 1.0 | X | X | L |
| | 321 | 1.0 | 6 | 2.0 | X | X | L |
| | 322 | 1.0 | 12 | 1.0 | X | X | L |
| | 323 | 8.0 | 12 | .5 | X | X | S/L |
| | 330 | 1.0 | 12 | 2.0 | X | X | S/L |
| | 331 | 1.0 | 12 | .5 | X | X | L |
| | 332 | A/R | 12 | .5 | X | X | L |
| | 333 | 1.0 | 12 | .5 | X | X | L |
| | 334 | A/R | 12 | .5 | X | X | L |
| | 335 | 1.0 | 6 | 2.0 | X | X | L |
| | 336 | A/R | 12 | .5 | X | X | L |
| | 337 | 1.0 | 12 | 2.0 | X | X | S/L |
| TOTAL | 13 | 17.0 | | 15% | | | |

Table 1-10.--ARFF Specialist Proficiency Interval For The Full Combat Qualification Training Level.

| EVENT | CODE | HOURS | PROFICIENCY INTERVAL | CRP | R | E | CONDITIONS & REMARKS |
|--------------|----------|-------------|----------------------|-----------|---|---|----------------------|
| FF | 400 | 10.0 | 12 | 1.25 | X | X | S/L |
| | 401 | A/R | 12 | 1.25 | X | X | S/L |
| SUP | 420 | 1.0 | 12 | 1.25 | X | | L |
| | 421 | 1.0 | 12 | 1.25 | X | | L |
| TOTAL | 4 | 12.0 | | 5% | | | |

180. EVENT UPDATE CHAINING. Table 1-11 lists the event update chaining for the Aircraft Rescue and Firefighting Specialist (MOS 7051).

Table 1-11.--ARFF Specialist Training Update Chaining.

| EVENTS | EVENTS UPDATED |
|--------|---|
| 204 | 203 |
| 206 | 202 |
| 213 | 211, 212 |
| 214 | 201, 203, 204 |
| 215 | 204, 205, 211 |
| 216 | 211 |
| 217 | 212 |
| 221 | 202, 203, 204, 205, 215, 216 |
| 223 | 203, 204, 205, 206, 211, 212, 213, 214, 215, 216, 220, 221, 222 |
| 230 | 201, 220 |
| 231 | 201, 220 |
| 234 | 220, 222 |
| 236 | 233 |
| 237 | 222 |
| 238 | 230, 232, 233 |
| 302 | 201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 216, 220, 221, 222, 223 |
| 320 | 222, 235 |
| 321 | 222 |
| 322 | 201, 202, 203, 204, 205, 206, 210, 211, 212, 214, 216, 223 |
| 323 | 202, 203, 204, 205, 211, 212, 215, 216, 220, 233, 234 |
| 330 | 203, 231 |
| 331 | 204, 205, 206, 210, 211, 213, 214, 215, 216, 221, 222, 234, 235, 237, 302, 321, 330 |
| 332 | 330 |
| 333 | 235, 330, 331 |
| 334 | 230, 231, 234, 235, 237 |
| 335 | 201, 233, 236 |
| 336 | 201, 206, 220, 222, 232, 233, 236, 237, 238, 331, 333, 334, 335 |
| 337 | 201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 216, 220, 221, 222, 223, 230, 231, 232, 233, 234, 235, 236, 237, 238, 302, 320, 321, 322, 330, 331, 332, 333, 334, 335, 336 |
| 400 | 201, 215, 220, 223, 231, 233, 234, 235, 323, 331, 333, 334, 335, 336, 337 |
| 401 | 203, 204, 205, 211, 212, 220 |
| 420 | 202, 222, 223, 230, 233, 235, 236, 238, 320, 321, 330, 331, 333, 335, 336 |
| 421 | 204, 205, 211, 212, 215, 220, 221, 222, 223, 233, 234, 235, 236, 237, 323, 334, 335, 336, 337, 331, 333, 400 |
| 430 | 222, 235, 322, 330, 334, 336, 337 |

