

Army Regulation 420-90

Facilities Engineering
Fire and Emergency Services

Department of the Army

This regulation supersedes AR 420-90, 10 September 1997.

DRAFT

UNCLASSIFIED

Summary of Change

This revision—

- Implements the current Department of Defense Instruction 6055.6, Fire and Emergency Services (F&ES) Program.
- Defines F&ES responsibilities for the Assistant Chief of Staff for Installation Management (ACSIM), Installation Management Agency (IMA), IMA Regions, IMA Garrisons, and Special Installations.
- Incorporates the concepts associated with the IMA Standard Garrison Organization (SGO), to include the Directorate of Emergency Services (DES).
- Requires installation commander/garrison commanders conduct F&ES risk assessments at all installations.
- Recommends regional, DOD Fire Academy, satellite training centers.
- Requires implementation of the National Fire Incident Reporting System (NFIRS).
- Incorporates the Common Levels of Support (CLS) for Fire & Emergency Response Services.
- Incorporates updated F&ES Operational Readiness Inspection requirements/formats.
- Incorporates current requirements for Army Fire Loss Report, and Major Fire Reports (Chap 12).
- Incorporates DOD 6055.6-M requirements, to include prerequisites for recruitment and promotions.
- Incorporates AOSH 1500 annual report requirements.

History. This publication is a major revision.

Summary. This regulation implements Department of Defense Instruction 6055.6, Fire and Emergency Services (F&ES) Program located at (<http://www.dtic.mil/whs/directives>), by establishing Fire and Emergency Services policies under Department of the Army jurisdiction.

Applicability.

This regulation applies to the Active Army, Army National Guard (ARNG), the Army National Guard of the United States, Army Reserve, and tenants, concessionaires and contractors on Active Army installations, except as noted below.

a. This regulation does not apply to—

(1) Installations or parts thereof that have been licensed to the States, the Commonwealth of Puerto Rico, District of Columbia, Territory of the Virgin Islands, and Guam for Army National Guard use.

(2) Civil works functions of U.S. Army Corps of Engineers, except when the U.S. Army Corps of Engineers is operating on or using appropriated funds of military installations and activities.

(3) Tenant Army activities where another military department or Government agency, such as the General Services Administration maintains real property accountability and control.

b. In areas outside the United States, Status of Forces Agreements (SOFA) or other country-to-country agreements may take precedence over this regulation.

Proponent and Exception Authority Statement. The proponent of this regulation is the Assistant Chief of Staff for Installation Management. The proponent has the authority to approve exceptions to this publication that are consistent with controlling law and regulation. Proponents may delegate this approval authority, in writing, to a division chief within the proponent agency in the rank of colonel or the civilian equivalent. A request for a waiver to this regulation must provide justification that includes a full analysis of the expected benefits. Waiver requests must include formal review by the requesting activity's senior legal officer, must be endorsed by the commander or senior leader of the requesting activity and must be forwarded through the requesting activity's higher headquarters to HQDA ACSIM Facility Policy.

Army Management Control Process. This regulation contains management control provisions and identifies key management controls that must be evaluated.

47 **Supplementation.** Supplementation of this regulation and establishment of command and local forms are
48 prohibited without prior approval from ATTN DAIM-FD, Assistant Chief Of Staff For Installation
49 Management, 600 Army Pentagon, Washington, DC 20310-0600.

50 **Suggested Improvements.** Users of this regulation are invited to send comments and suggested
51 improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to
52 Director of Facilities and Housing, ATTN: DAIM-FD, 600 Army Pentagon, Washington, DC 20310-0600.

53 **Distribution.** This publication is available in electronic media only and is intended for command levels C,
54 D, and E for the Active Army, the Army National Guard (ARNG), and the Army Reserve.

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197 **Chapter 1**

198 Introduction

199 Section I

200 General

201 1-1 Purpose

202 This regulation implements statutes and DODI 6055.6, Fire & Emergency Services (F&ES) Program,

203 requirements. It prescribes Army policies and responsibilities covering all fire fighting (structural, aircraft,

204 and wildland), emergency dispatching services, by civilians or military, fire prevention (technical

205 services), hazardous materials (HAZMAT)/Chemical, Biological, Radiological, Nuclear and High-yield

206 Explosives (CBRNE) response, Weapons of Mass Destruction (WMD), Global War on Terrorism

207 (GWOT), emergency medical services (EMS), rescue services, disaster preparedness, and ancillary

208 services.

209 **1-2 References**

210 Appendix A lists required and related publications and prescribed and referenced forms.

211 **1-3 Explanation of abbreviations and terms**

212 The glossary explains abbreviations and special terms used in this regulation.

213 **1-4 Statutory and other authority**

214 Statutory authority is: Public Law 91-596, Occupational Safety and Health Act (OSHA) of 1970 and Titles

215 29 CFR Parts 1910 and 1960 (and other Code of Federal Regulations applicable to Fire & Emergency

216 Services); Title 10, U.S.C. 2465, Uniform Code of Military Justice, Chapter 47; and issuances from the

217 Office of Management and Budget (OMB) and the General Services Administration (GSA).

218 **1-5 Common Levels of Support**

219 Chapters 2 to 11 of this regulation are based on the approved, Common Levels of Support (CLS) for

220 Service a68, Fire and Emergency Response Services, for Army Garrisons. The Director of the

221 Installation Management Agency (IMA) approved the CLS for this service. The structure of the CLS

222 provides ten (10) prioritized Service Support Programs (SSPs) for managing and directing the efforts of

223 Army F&ES. It will also support the allocation of resources.

224 Section II

225 Responsibilities

226 1-6 The Assistant Secretary of the Army for Installations and Environment (ASA (I&E))

227 **The ASA(I&E) provides policy and program direction for F&ES.**

228 1-7 The Assistant Chief of Staff for Installation Management (ACSIM)

229 The ACSIM is the Army Staff (ARSTAF) proponent for the promulgation of F&ES policy and integration of
230 doctrine to the planning, programming, execution, and operation of Army installation management.

231 1-8 Fire and Emergency Services (F&ES) Functional Manager

232 **The F&ES Functional Manager will-**

233 a. Promulgate Army policy to implement Department of Defense Instruction (DODI) 6055.6

234 Department of Defense Fire and Emergency Program.

235 b. Provide HQDA representation to the Office of the Secretary of Defense (OSD) as required by
236 the Office of the Secretary of the Army.

237 c. Establish goals and objectives; provide policies, procedures, and uniform operational guidelines
238 to include input to the Army program objective memorandum (POM) and to planning,
239 programming, budgeting and execution system (PPBES) procedures.

240 d. Provide oversight for implementation of these policies and procedures, attainment of goals and
241 objectives, and conformance to guidelines.

242 e. Advise IMA, MACOMs with special installations, other ARSTAF, and the Secretariat in matters
243 pertaining to resourcing, operation, and management of the Army Fire and Emergency Services
244 (F&ES) program.

245 f. Coordinate policies, standards (such as UFC and Army Standards/Standard Design), and reports
246 with other DA, USACE, federal, and civilian organizations through membership and participation in
247 professional working groups, committees, boards, seminars, forums and fire protection organizations.

248 g. Interpret and prepare Army responses to Congressional inquiries as well as Government
249 Accountability Office (GAO), DOD and DA IG, US Army Audit Agency (USAAA) reviews, audits, and
250 investigations.

251 h. Announce and promote interagency training opportunities and partner with Industry's training
252 program (e.g. International Association of Fire Chiefs (IAFC), National Fire Protection Agency
253 (NFPA), International City Managers Association (ICMA)).

- i. Serves as rotating Chairperson of DOD F&ES Working Group under the auspices of the Defense Environmental Security Council.
- j. Review annual National Fire Incident Reporting System (NFIRS) and Army Occupational Safety and Health (AOSH 1500) programs.
- k. Determine F&ES requirements during base closing actions, and at inactive, laidaway, and caretaker operations.
- l. Coordinate annual Worldwide Department of Defense (DOD)/International Association of Fire Chiefs (IAFC) Training Conference, on a rotating basis with other services, and assist the IMA with Army Training sessions, workshops, and Awards Luncheon.
- m. Ensure that F&ES wildland fire program complies with the Army Wildland Fire Policy Guidance located at (<http://www.hqda.army.mil/acsimweb/fd/policy/fire/docs/Wildland02firePolicy.pdf>).
- n. Publish and promote the use of the F&ES website as a communication vehicle at (<http://www.hqda.army.mil/acsimweb/fd/policy/fire/firecur.htm>).

1-9 Director of Environmental Programs

The Director of Environmental Programs with the assistance from the U.S. Army Environmental Center will provide wildland fire policy and guidance to the F&ES Functional Manager.

1-10 Director, Installation Management Agency (IMA)

IMA, as a Field Operating Agency (FOA) for the ACSIM, is responsible for -

- a. Formulating and integrating broad based plans to significantly improve the F&ES function within IMA.
- b. Advising on requirements and recommends to ACSIM, policy and regulation changes and improvements.
- c. Ensuring regions and installations/garrisons implement regulatory requirements, as well as Army policies and programs.
- d. Providing oversight and evaluation of the F&ES Common Levels of Support (CLS) program at garrisons within IMA.
- e. Implementing Office of Personnel Management (OPM) Position Classification Standard, Fire Protection and Prevention Series, GS-0081.
- f. Providing oversight and evaluation of the effectiveness of the F&ES ORI program within IMA.
- g. Providing oversight and evaluation of the ISR emergency services scores and ratings.

- h. Preparing program status reports, conducting staff assistance visits, participating in DOD F&ES Working Group meetings, and supporting group initiatives, i.e. Army Standards/Standard Designs.
- i. Evaluating and recommending to ACSIM, actions relating to garrison F&ES waiver requests and risk assessments.
- j. Reviewing and tracking the status of F&ES staffing within IMA.
- k. Reviewing and tracking the status of fire apparatus/equipment acquisition and procurement within IMA.
- l. Consolidating, reviewing, and submitting to ACSIM, the periodic Army Fire Loss Reports.
- m. Reviewing and coordinating the status of F&ES functions on Special Installations.
- n. Reviewing and tracking fire/accident investigations, fire/accident data, and correction of findings.
- o. Programming and oversight of the annual Army F&ES awards program.
- p. Participating in the annual DOD World Wide F&ES Training Conference, and conducting Army Training sessions, workshops, and Awards Luncheon.
- q. Advising and providing technical advice to the HQ Installation Management Agency, Regions and Garrisons.
- r. Participating in the coordination of policies, standards, and reports with other DA, USACE, federal, and civilian organizations through membership in professional working groups, committees, boards, seminars, forums and fire protection organizations.

1-11 Region Directors

- a. Implement IMA programs, policies and management practices as outlined in paragraph 1-10.
- b. Facilitate communications and coordination between the HQ IMA proponent for fire and emergency response services and the garrison DES staff.
- c. Provide a qualified fire protection specialist.
- d. Monitor and oversee implementation of installation/garrison F&ES plans, programs, budgets, and operations, and ensure compliance with regulatory guidance.
- e. Within their approval authority, ensure Unified Facilities Criteria (UFC), Army, and current fire protection national consensus standards are applied for design, construction, location, and use of facilities.
- f. Review, validate, prioritize, consolidate, and forward as appropriate installation/garrison reports.

- g. Ensure a Commercial Off-The-Shelf (COTS) Management Information System (MIS), as a management tool for data maintenance and record keeping, is implemented at their installations/garrisons.
- h. Provide direction for the execution of technical investigation of major fires (over \$200,000 in damage and/or loss of life), and forward a formal report of findings to the ACSIM.
- i. Promote regional fire academies (satellite DOD Fire Academy training centers) meeting fire fighter certification standards, as well as cooperative Mutual/Reciprocal Aid agreements with civil sector fire departments.
- j. Conduct F&ES ORIs triennially (once every three years) and Child Development Center inspections.
- k. Perform fire investigations in coordination with CID, FBI, and installation/garrison fire departments.

1-12 Senior Mission Commander (SMC)

The SMC will be a General Officer and designated by Senior Army Leadership. The SMC is responsible for the primary mission activity on the Installation. The SMC provides executive level oversight of installation management services to the mission activities and other customers. The SMC need not reside or work on the installation.

1-13 Installation/Garrison Commanders (IC/GC)

- a. Ensure that the Directorate of Emergency Services (DES) is the garrison entity that provides for the protection, welfare and safety of the garrison community. This includes first responders to emergencies, as well as those functions that plan responses, educate the community and disseminate public safety-related information.
- b. Execute, maintain, and enforce an effective F&ES program per Common Levels of Support (CLS) for fire and emergency services, and as outlined in this regulation.
- c. Ensure that recruitment and promotion of F&ES personnel meet the certification requirements of DOD 6055.6-M.
- d. Implement a Commercial Off-the-Shelf (COTS) Management Information System (MIS) for use as a management tool for data maintenance and record keeping.
- e. Conduct and approve Installation/Garrison F&ES Risk Assessments, and waiver requests, if applicable.

- f. Ensure serviced tenant activities reimburse installations for F&ES as defined by Memorandum of Agreements (MOAs) and Interservice Support Agreements (ISSAs).
- g. Designate an installation Wildland Fire Program Manager in either F&ES or natural resources organization, and approve the Installation Wildland Fire Management Plan when applicable.
- h. Establish a method for commercial procurement of meals and supplies in emergency situations.
- i. Commanders of entities officially designated as Special Installations, those which fall under the command and control of Army Major Commands, have the same responsibilities as listed for Garrison Commanders elsewhere within this regulation.

1-14 Special Installations

IMA does not command all installations. Army National Guard (ARNG) installations remain under ARNG and state/territory command. Some installations, known as "Special Installations" also reside under Army Major Command (MACOM) control. These include hospitals funded under the Defense Health Program (DHP) that are commanded by the U.S. Army Medical Command (MEDCOM), and various depots and arsenals that are commanded by the U.S. Army Material Command (AMC). These Special Installations have base support services funded primarily from other than Operations and Maintenance, Army (OMA) or Operations and Maintenance Army Reserve (OMAR). They are generally very small, mostly industrial, and do not have a stand-alone garrison staff. The command, control, manpower, and funding for Special Installations remain with the MACOMs. IMA, meanwhile, provides traditional base support oversight. Commanders of Special Installations with contracted F&ES departments will ensure that contracts are negotiated or renegotiated so as to ensure compliance with this regulation. Within the four categories of Special Installations, there are several types of funds used in their operation:

- a. Army Working Capital Funds (AWCF), (a revolving fund)
- b. Transportation Working Capital Funds (TWCF), (a revolving fund)
- c. Chemical Program (CHEM) funds,
- d. Defense Health Program (DHP) funds,
- e. Procurement Appropriation funds (PA), and,
- f. Research, Development, Test, & Evaluation funds (RDT&E)

1-15 Chief, Fire and Emergency Services

F&ES Chiefs will meet certification requirements outlined in DODI 6055.6-M and in addition, ensure F&ES personnel are properly drug tested per Executive Order 12564. Emergency communications center and

As of:3/14/2005

emergency medical services personnel assigned to F&ES departments are included. F&ES chiefs will develop a Strategic Plan (STRAP) using the DOD Fire and Emergency Services Strategic Plan, and per Common Levels of Support (CLS), will provide the following Service Support Programs (SSP)–

- a. Manage and direct F&ES programs.
- b. Provide emergency dispatch services.
- c. Provide emergency response services for structure fires.
- d. Provide emergency response services for ARFF if required.
- e. Provide fire prevention services.
- f. Provide emergency response services for hazardous materials (HAZMAT) and weapons of mass destruction (WMD) incidents.
- g. Provide emergency response services for wildland fires if required.
- h. Provide emergency medical response services (EMS) if required.
- i. Conduct rescue operations.
- j. Provide specialized training, if resources permit.

Section III

Fire and Emergency Services Management

1-16 Surety Operational Fire and Emergency Services (F&ES) Requirements

Those installations/garrisons with surety requirements, to include those associated with nuclear, chemical, and biological activities, will ensure that necessary and appropriate F&ES planning, programming, training, preparation, and execution capabilities, are in place to support those requirements. This includes the expectation of periodic F&ES rehearsals and exercises to ensure proficiency in the execution of response plans.

1-17 F&ES Operational Readiness Inspections (ORIs)

- a. Regions will conduct triennial F&ES ORIs using the format specified.
- b. The fire chief will make annual self-inspections using the enclosed ORI checklist.
- c. The most recent annual self inspection or triennial ORI will be used to support ratings used in the annual Installation Status Report.

1-18 Fire and Emergency Services Operations

The fire chief or designee shall be the Incident Commander (IC) for all F&ES operations per Homeland Security Presidential Directive 3, National Incident Management System (NIMS).

Section IV

Fire and Emergency Services Apparatus and Equipment

1-19 Personal Protective Equipment

Installation/garrisons will provide personal protective equipment (PPE) that meets the following standards:

- a. Per DODI 6055.6
- b. Self contained breathing apparatus (SCBA), per NFPA 1404 and 29 CFR 1910.134.
- c. Station wear is considered personal protective equipment and shall comply with NFPA 1975, Station/Work Uniforms for Fire and Emergency Services.
- d. Predominantly natural fiber physical fitness clothing per CTA-50-900.
- e. Personal Alert Safety Systems (PASS) for all firefighters per NFPA 1982.
- f. Personal Protective Equipment. Per 29 CFR 132, General requirements; 133, Eye and Face Protection; 135, Head Protection; 136, Foot Protection; 138, Hand Protection; and 139, Sources of Standards.
- g. Mission requirements may require supplemental PPE be provided. PPE will meet the applicable standard for the type of clothing issued (NFPA, OSHA, and National Wildfire Coordinating Group (NWCG) standards).

1-20 Procurement of Fire Apparatus

The procurement of fire fighting apparatus (FFA) is contained within the Nontactical Vehicle (NTV) acquisition program. This program is centrally managed and is Other Procurement Army (OPA) vice Operations and Maintenance Army (OMA) funded. Installations/garrisons may request an exception to this policy and request the use of OMA funds (less than \$250,000) to purchase FFA.

1-21 Fire Department Equipment

- a. Vehicle mounted and personal equipment will conform to applicable National Fire Protection Association (NFPA), Occupational Safety and Health Act (OSHA), and common table of allowances (CTA) directives.
- b. Fire departments may use decals and safety striping on all administrative, command, and support vehicles.
- c. All fire apparatus will have on-board intercom communications system with radio interface to enhance command and control and also provide superior hearing protection.
- d. NFPA 1932, Design of and Design Verification Tests for Fire Department Ground Ladders for ladder maintenance shall be followed.
- e. Provide portable radios for supervisors, lead firefighters, fire inspectors and other fire protection personnel as justified by a standard operational procedure (SOP)/standard operational guideline (SOG) for non-tactical radios.
- f. As a minimum, one thermal imager will be provided for each assigned fire company.
- g. Life expectancies of various primary firefighting apparatus are as follows:
 - (1) HAZMAT and Rescue vehicles 12 years.
 - (2) Engines and ARFF vehicles 15 years.
 - (3) Aerial Ladder trucks 20 years.

1-22 Vehicle Inspection, Maintenance, Testing, and Record Keeping

Installation/garrisons will comply with DODI 6055.6, NFPA standards, and the following -

- a. General. Care of vehicles at the fire department includes-
 - (1) Organizational maintenance.
 - (2) Preventive maintenance.
 - (3) Intermediate maintenance.
 - (4) Capability testing.
 - (5) Vehicle status recordkeeping.
 - (6) NFPA 1071, Standard for Emergency Vehicle Technician Professional Qualifications, requires that an emergency vehicle technician must be qualified to work on emergency response vehicles. Emergency Vehicle Technician (EVT) Certification Commission exams are listed in

appendix A of NFPA 1071 as a means for the Authority Having Jurisdiction (AHJ) to determine a technician's qualifications.

b. F&ES personnel will—

(1) Ensure requisitions for fire fighting equipment parts have the appropriate issue priority designator (IPD). This IPD will equal the highest force activity designator (FAD) unit supported by the fire department. For example, spare parts' requirements for firefighting equipment that supports an installation FAD III unit will equal the IPD authorized for the FAD III unit. (See AR 725-50; chap 2, for further guidance on FADs and IPDs).

(2) Perform Operator's Preventive Maintenance Checks and Services (PMCS) to keep the apparatus in reliable working order. The applicable technical manual outlines PMCS' procedures. Annotate discrepancies on an Apparatus Maintenance Checklist reflecting manufacturer's maintenance requirements and NFPA 1901, Automotive Fire Apparatus; and report them to unit maintenance for correction.

(3) Take immediate action to return to service any firefighting or rescue vehicle that is out of service. Maintain a separate logbook or automated equivalent to record vehicle-out-of-commission time based on a 24 hour per day requirement.

(4) Ensure proper completion and continual update of RCS 1577 (using DA Form 3665) report.

(5) Vehicle capability tests will be conducted per NFPA 1901 and other applicable standards.

(6) Record tests on the locally reproducible DA Form 5380-R (Fire Apparatus Test Record), or equivalent.

(7) Aerial ladder tests, will be conducted per NFPA 1914, Testing Fire Department Aerial Devices. for the annual testing by a certified organization and maintain testing records for the life of the vehicle.

476 **Chapter 2**

477 **Manage and Direct Fire & Emergency Services Programs**

478 **Program Objective**

479 Manage and direct core F&ES programs and program development to meet installation mission.

480 **Section I**

481 **Management**

482 **2-1 Management of Resources**

483 a. Installation/garrison commanders will ensure the following standards/requirements are met

484 (1) DODI 6055.6, Fire and Emergency Services Program and Manpower Staffing Standards
485 System (MS-3) Final Report (FIN-REP)/Application Fire Protection (Army Common) CONUS or
486 submit a waiver request through the appropriate chain of command to HQDA (ACSIM).

487 (2) Army Occupational Safety and Health (AOSH) 1500 annual reporting database is current at
488 the end of each FY.

489 (3) HAZMAT: OSHA 29 CFR 1910.120.

490 (4) Confined Space: OSHA 29 CFR 1910.146.

491 (5) EMS: DODI 6000.10, and applicable local regulations.

492 (6) Biological Defense Safety Program: 32 CFR Part 626.

493 (7) Army Wildland Fire Policy Guidance.

494 (8) DODI 2000.18, Installation Chemical, Biological, Radiological, Nuclear and High Yield
495 Explosive (CBRNE) Emergency Response Guidelines.

496 (9) Physical and medical requirements of NFPA 1582.

497 (10) Authorize furnishings and equipment for fire stations contained in SB 700-20, CTA 50-909,
498 and CTA 50-970.

499 b. Cross staffing of F&ES apparatus is authorized, except as specifically prohibited in this regulation.

500 c. Firefighters will not perform duties or details that interfere with F&ES unless authorized by the Fire
501 Chief.

502 d. Installation/garrisons will integrate MTOE deployable fire fighters with TDA fire departments, but
503 these MTOE fire fighters will not offset TDA requirements. Use the MS-3 to determine TDA
504 requirements.

- e. Fire stations. Firefighters must have an environment suited to their needs and located to best serve the needs of the installation.
- f. Vehicles. Provide required apparatus support vehicles to include fire chief and incident command vehicles, fire inspector vehicles and other mission specific vehicles (i.e. brush, HAZMAT) per mission requirements.

2-2 Chief, Fire and Emergency Services

- a. Manages the F&ES organization and may be assigned additional duties as the “Base/Installation Emergency/Disaster Preparedness Officer” with duties per DODI 6055.6.
- b. The fire chief or senior fire officer (SFO) at the emergency incident is the incident commander and is responsible for the conduct of all F&ES operations according to the National Incident Management System. At wildland fire suppression incidents the incident commander will be the most experienced National Wildlife Coordinating Group qualified fire fighter.
- c. F&ES personnel are authorized to obtain meals from appropriated fund dining facilities per AR 30-22. When meals are required during F&ES operations, the installation fire chief may purchase meals using a Government Impac/credit card from local sources.

2-3 Contracted F&ES

- Contracting for F&ES requires performance oriented statements of work (SOWs) (See DODI 4100.33). Installations shall not obligate or expend funds for entering into a contract for fire fighting functions at any military installation or facility per 10 USC 2465 except for the following contracts:
- a. To be carried out at a location outside the United States (including its non-Conus commonwealths, territories, and possessions) at which members of the Armed Forces would have to be used for the performance of a F&ES function at the expense of unit readiness.
To be carried out on a Government-owned but privately operated installation;
 - b. Or renewal of a contract for the performance of the function under contract on September 24, 1983 (10 USC 2465).
 - c. For Base Realignment and Closure (BRAC) actions, Army activities may contract with local governments for the provision of fire and emergency services at military installations to be closed (no earlier than 180 days before installation closes) according to the provisions of the Defense Base Closure and Realignment Act of 1990, PL 101-510, as amended, Section 2905 (b) (8) (A)—(D).

Installations will forward requests for contracts under this section through HQIMA to the ACSIM (DAIM-FD) for approval by the Secretary of the Army.

d. One year temporary employment due to military personnel deployed for national emergencies as per 10 USC 2465.

e. Installation assistance from other federal or government agencies is not precluded by these contract policies.

2-4 No Cost F&ES from Public Agencies

Whenever possible, installations located within the limits of a municipality, fire protection district, or other governmental subdivision will rely on that public agency for cost free protection, when that F&ES protection meets or exceeds the requirements as specified in this document and DODI 6055.6.

2-5 Mutual and Automatic Aid Agreements

a. Mutual and Automatic Aid agreements will be formally documented. Sample Mutual Aid Agreements are shown at Figure D-1 (United States/CONUS) and Figure D-2 (Foreign/OCONUS).

b. Only the installation/garrison commander acting on behalf of the Secretary of the Army and an authorized representative of the fire organization may execute the agreement. The installation commander may delegate this authority to the garrison commander, without further delegation. Installations will review and update all mutual aid agreements biennially (every other year). The fire chief will maintain copies of all agreements.

c. Installation/garrisons are encouraged to enter into agreements with specialized agencies (i.e. MOA/MOU) for necessary support.

2-6 Technical Standards, Public Law, and Deviations

a. Commanders of garrisons and special installations must request any waiver in writing through their respective chain of command to HQDA (ACSIM) for appropriate action. This waiver authority does not apply to Public Laws.

b. Statutory authority is contained in Public Law 104-113, National Technology Transfer and Advancement Act of 1995; Public Law 91-596, Occupational Safety and Health Act (OSHA) of 1970; and Titles 29 CFR Parts 1910 and 1960 (and other Code of Federal Regulations applicable to Fire & Emergency Services); Title 10 U.S.C. Uniform Code of Military Justice, Chapter 47; and issuances from the Office of Management and Budget (OMB) and the General Services Administration (GSA).

c. Facilities subject to the requirements of the Uniform Federal Accessibility Standards (UFAS) per 42 USC 4151-4157 and 29 USC 794 will meet the Americans with Disabilities Act Accessibility Guidelines (ADAAG) whenever ADAAG provides equal or greater accessibility than UFAS.

d. The U.S. Army has adopted the most current National Fire Protection Association (NFPA) codes and standards. PL 104-113 mandates all Federal agencies and departments use technical standards that are developed or adopted by voluntary consensus bodies, such as the NFPA. If DOD elects not to use these consensus standards, the DOD must give the Office of Management and Budget an explanation why it elected to use different standards.

e. Design, construction, and maintenance and repair of projects for Army Reserve facilities (including tri-service Armed Forces Reserve Centers (AFRCs)) will comply with AR 140-483.

f. Installations will subscribe to the NFPA National Fire Code renewal service (or equivalent electronic media service) whereby NFPA sends changes to subscribers. This Army regulation takes precedence over all technical and field manuals. The publications listed in appendix A give more guidance on various aspects of fire and emergency services. (Also, appendix A tells how to order these publications.)

2-7 Fire and Emergency Services Distinctive Identification

Installation/garrisons will issue badges, collar brass, patches, baseball caps, and name tags for all fire and emergency services personnel (military and civilian) to wear while performing their official duties.

Section II

Fire and Emergency Services Training

2-8 F&ES Training Program

a. Administration. A training officer will be designated and will develop and implement a comprehensive F&ES training program and assign department instructors as required. Include training requirements in the annual budget submission. Training officers will -

(1) Develop monthly training schedules, approved by the fire chief, and post them in each operational fire station to include a physical training program per the current DODI 6055.6.

(2) Prepare lesson plans, or use approved accredited lesson plans in accordance with the DOD Fire Fighter Certification Program and/or International Fire Service Training Association (IFTA Standards).

b. Training exercises.

(1) Quarterly. Conduct Aircraft Rescue Fire Fighting (ARFF) exercises on a mission-assigned aircraft designated by the fire chief.

(2) Semiannually. During darkness hours, at least one structural exercise will be conducted by each shift.

(3) Annually. F&ES departments with an ARFF mission must conduct a live ARFF fire fighting exercise and at least one crew extraction exercise during darkness hours by each shift.

(4) Only the fire chief or his designee may authorize unannounced exercises involving F&ES resources. During responses to training exercises, fire departments will not use warning devices and must strictly observe all traffic laws. Upon arrival at the training site, fire departments will use visual warning devices and conduct critiques following each exercise. Announced training exercises will be pre-briefed prior to the exercise and critiqued after the exercise.

(5) Interactive multimedia training systems may supplement above exercises.

c. Training records

(1) Individual training evaluation record. Use DA Form 5376-R (Individual Training Evaluation Record) or automated equivalent format.

(2) Fire and emergency services training record. Use DA Form 5377-R (Fire and Emergency Services Training Record) or printable computer generated equivalent. Attendee's signature is required for each session.

2-9 Training Requirements

a. The Fire Chief is responsible for the training program and will attend the annual Department of Defense Worldwide Fire & Emergency Services Training Conference held concurrently with the International Association of Fire Chiefs (IAFC) conference.

b. The Fire Chief will assign a dedicated Training Officer for development and monitoring of the training program. The position may be dual hatted for installations where a dedicated position is not required.

c. General requirements. An assigned Training Officer will—

(1) Conduct a recurring proficiency training program. Each fire department member will receive a minimum of 120 hours proficiency training per year as specified in this chapter.

(2) Secure specialized training through accredited and recognized professional training sources for fire and emergency services personnel.

d. Live-Fire Training. Live-fire training areas that meet local environmental standards shall be developed by each applicable DOD Component at appropriate locations to provide realistic proficiency training at a reasonable cost. Thorough consideration shall be given to creating regional training facilities for closely located DOD installations and for cooperative arrangements with civil sector fire departments and off-base live-fire training.

e. Host nation firefighters will meet the DOD training requirements, but are not required to be DOD certified.

Chapter 3

Provide Emergency Dispatch Services

3.1 Program Objective

Provide staff and/or manage emergency dispatch/E911 services. All installations shall maintain around the clock capability to conduct essential F&AS communications. These operations may be provided as part of joint operations.

3-2 Emergency Communications Center Staffing

Dispatch centers must be properly staffed with trained, qualified and certified personnel per DODI 6055.6, Department of Transportation Emergency Medical Dispatch, and applicable NFPA requirements.

3-3 Emergency Communications Center Operations Requirements

a. DODI 6055.6 establishes requirements for emergency communications centers. Installations are authorized and are encouraged to move toward E911/Public Safety Answering Point (PSAP) systems. Computer aided dispatching systems are encouraged. Fire station radio-based alerting systems shall be installed.

b. AR 415-15, Army Military Construction Program Development and Execution and AR 25-3, Information Systems Supporting Military Construction Projects, govern the purchase, procurement and installation of fire detection and transmission equipment. Minimum requirements are as follows:

(1) Two-way radio communication net. Each installation requires an effective two-way radio net with multiple channels to support tactical operations. Only fire stations, firefighting vehicles, provost marshal or law enforcement agencies, explosive ordnance **disposal, control tower, and ambulances will use transceivers on this net. Aircraft and ARFF vehicles require a**

separate two-way radio communication frequency known as the Discreet Emergency Frequency (DEF). See NFPA 1221, Installation Maintenance and Use of Emergency Services Communication Systems.

(2) Primary and secondary fixed wire operational crash alarm. Installations will provide a primary telephone crash alarm with two way capabilities only between the tower, base operations, fire and medical authorities only. Additional agencies will not be included unless authorized by the garrison commander. Installations will not overload or modify systems beyond their original design. Only those emergency agencies directly involved in first response to an airfield incident will be on the primary crash alarm system.

(3) Direct communications line or integrated computer aided dispatch screen. Installations require; a direct telephone two-way circuit with the air traffic control tower, aircraft maintenance control, ambulance, law enforcement, or any other agency designated by the fire chief.

(4) Installed systems central alarm receiver. All installed facility fire detection and suppression systems will transmit an alarm to the fire communication center per NFPA 72 except for small or remote locations approved by IMA.

(5) The emergency communications center will include adequate station/lighting alerting systems controlled and coupled with local combined public address or intercom systems.

(6) A voice recorder is required for all emergency dispatch centers and connected to all emergency communication equipment.

Chapter 4

Provide Emergency Response Services for Structure Fires

4-1 Program Objective

Provide emergency response and rescue services to structure, transportation equipment, natural and man made disasters, industrial, shipboard, ammunitions/explosives/dangerous articles (AEDA), chemical and petroleum, oils and lubricant (POL) fires.

4-2 Required Fire Department Staffing

Installations will ensure apparatus are properly staffed with trained, qualified and certified personnel per DOD requirements, and validated by the Department of the Army F&ES Risk Assessment outline.

4-3 Fire Department Structural Fire Operation Requirements

DODI 6055.6 outlines F&ES equipment and response time requirements as shown in figure 4-1. In addition:

a. Installation/garrison fire departments will use the Department of the Army F&ES Risk Assessment outline to determine requirements.

b. Fire departments will prepare pre-fire plans for all major and mission-critical facilities and review them at least every other year.

c. Fire department requirements at active, inactive, laidaway, standby, and caretaker installations are:

(1) Active installations. Civilian personnel normally perform F&ES functions. Installations may assign MOS 21M military fire fighters to fire departments because of geographical, legal, training, rotation, combat readiness, or security reasons. Military personnel selected must meet the criteria contained in AR 611-1 and should be selected based on long-term availability (minimum 2 years on station).

(2) Inactive, laidaway, standby, and caretaker installations. The Department of the Army F&ES Risk Assessment outline will determine level of service for these types of installations. The Installation commander will consider use of combined firefighter/guard forces and trained security and maintenance personnel as auxiliary fire fighters.

(3) Base realignment and closure (BRAC) fire protection. Army has responsibility to maintain F&ES as long as the Army owns or maintains the property. 10 U.S.C. 2465 prohibits entering into a contract for the performance of firefighting or security guard functions at any military installation or facility unless the requirements of PL 101-510, section 2905(b)(8)(A)-(D) are met concerning bases that are closing. The following guidance should also be considered in determining the level of F&ES required at bases that are closing:

(a) Chapter 41 CFR Subpart 101-47.4 provides guidance on the level of fire protection for GSA surplus or excess property.

(b) Installation commanders should determine whether municipal (or other) fire departments will agree to include the closed installation within their service territory at no cost to the Army.

(c) Maintenance of grounds and facilities to prevent fires such as plowing fire lanes.

Program Element	Response Time
Announced Structural Fire	First Responding Units 7 Minutes Response Time (RT) for 90% of all alarms based on: Dispatched Time: 1 Minute Turnout Time: 1 Minute Travel Time: 5 Minutes Remaining Units: 12 Minutes RT for 90% of all alarms Minimum Response: Initial alarm assignment capability

Figure 4-1 Announced Structural Fire Response Time

4-4 Special Requirements for Shipboard Fire Fighting

Land based firefighters who are required to respond to marine vessel fires will attend formal shipboard firefighting training that meets U.S. Navy (NAVFACENGCOM) training standards and NFPA 1405.

4-5 Special Requirements for Access or Egress through Hardened Windows.

The Department of Defense Minimum Antiterrorism Standards for Buildings (UFC 4-010-01) require a minimum level of window hardening for the windows in all buildings that qualify as inhabited as defined in that document. In addition, threat or geography specific antiterrorism requirements sometimes result in window hardening greater than that required by UFC 4-010-01. All of these hardened windows provide additional challenges to firefighters attempting to breach them for access or egress during structural fire operations. To ensure firefighters are prepared where there are fires in buildings with hardened windows, fire departments will do the following:

- a. Coordinate with installation or other servicing facility engineers to catalog any hardened windows that may be installed in buildings served by that fire department.
- b. Develop data bases that indicate the construction of any hardened windows in specific buildings and where they are located.
- c. Provide special instructions that fire fighters will need for breaching hardened windows and incorporate the instructions into the data base.

Chapter 5

Provide Emergency Response Services for Aircraft Rescue Fire Fighting (ARFF)

5-1 Program Objective

Provide a coordinated program of emergency response/stand-by and rescue services for aircraft rescue firefighting to announced and unannounced inflight/ground emergencies, crashes and mishaps, including ordinance and spill containment and other related incidents. Fire departments will consider outside resources and coordinate their program with local airports, municipal ARFF organizations, medical activities, and other federal agencies as required.

5-2 Required ARFF Staffing

Installations will ensure that apparatus is properly staffed with trained, qualified and certified personnel per NFPA, host nation, and DOD requirements, and validated by a Department of the Army F&ES Risk Assessment.

5-3 ARFF Apparatus Requirements

DODI 6055.6 outlines F&ES ARFF equipment and response time requirements as shown in figure 5-1.

a. The average number of military aircraft movements (arrivals and/or departures) per day determines the number and type of ARFF apparatus and stand-by requirements. The total number of aircraft movements during the previous 12-month period divided by 365 (366 if leap year) determines this average number.

b. Airfields with or without permanently assigned rotary winged aircraft and fixed wing aircraft less than 60 feet in overall fuselage length requires the following ARFF protection.

(1) Less than 25 movements (average) per day. Portable fire extinguishers (100 lb.) used by airfield personnel.

(2) From 25 to 40 movements (average) per day. Installation may assign standard or nonstandard firefighting equipment (with or without firefighter personnel).

(3) More than 40 movements (average) per day.

(a) An NFPA 403 ARFF apparatus or equivalent (with assigned staffing) for rotary wing and small fixed winged aircraft (less than 60 feet).

(b) CH-47 and larger helicopters averaging 6 or more movements above the 40 movements per day (for example 46 per day average at airfield) require a second ARFF apparatus (with assigned staffing).

- c. IMA may approve additional ARFF apparatus (not covered in paragraph b above) to meet the requirements of Air Force Pamphlet 32-2004 (Aircraft Fire Protection for Military Operations Other Than War) or other unique operations.
- d. Cross staffed and ARFF trained structural fire fighting crews may backup primary ARFF apparatus and crews.
- e. AR 385-95, Air Force TO 00-105E-9 and International Fire Service Training Association (IFSTA) contain suggested pre-accident plans and give detailed information on ARFF techniques.

Program Element	Response Time
ARFF	First Responding Unit(s) Unannounced Emergency 3 Minutes Response Time (RT) includes: Call Processing Time: 1 Minute Turnout Time: 1 Minute Travel Time: 1 Minute Announced Emergency 1 Minute Response Time (RT)

Figure 5-1 ARFF Response Time

Chapter 6

Provide Fire Prevention Services

6-1 Program Objective.

Installation commander/garrison commanders will develop, publish and implement installation fire prevention regulation and public education programs. Components of this program include:

- Hazard, compliance and special fire safety inspections that meet federal, state and local/host nation laws and, Child and Youth Services (CYS) requirements, code enforcement and other requirements.
- Project and plan review.
- Testing and inspection of fire protection systems and equipment.
- Joint Commission on Accreditation of Hospital Organizations (JCAHO) support/consultancy.
- Training of building managers and evacuation managers, newcomers, family members, schools, CYS employees and public assemblies (i.e. churches, clubs, theaters, etc.).
- Fire protection for facilities engineering, design and construction.

781 **6-2 Required Fire Prevention Staffing**

782 Installations will ensure the fire prevention program is properly staffed with trained, qualified and certified
783 personnel per DODI 6055.6.

784 **Section I**

785 **Fire Prevention Operations**

786 **6-3 Building Manager or Evacuation Coordinator**

787 The building manager or appointee (in writing) will serve as the evacuation coordinator. This individual
788 will be trained by the F&ES fire prevention division and will execute fire prevention measures in the
789 assigned building or facility, and provide written reports to the fire chief including self-inspections,
790 emergency evacuation plans, and fire safety briefings/occupant training.

791 **6-4 Housing Facilities**

792 a. On-post housing facilities will comply with fire protection measures listed in AR 210-50, Housing
793 Management.

794 b. Portable gas or liquid fuel space heaters are prohibited.

795 **6-5 Monitoring and Controlling Contractor Operations**

796 The fire chief (or designated F&ES representative) will monitor contractor operations on all sustainment,
797 repair and maintenance (SRM), construction, and self-help projects. The contracting officer
798 representative (COR) will notify the contractor and request prompt corrective action when they find fire
799 hazards, unsafe practices, or noncompliance with specifications. The fire chief may stop any operation
800 or activity when there is imminent danger to life and property.

801 **6-6 Fire Risk Management Surveys**

802 a. The Fire Chief shall develop an inspection program which will include facility inspection
803 frequencies.

804 b. Building fire risk management surveys. The reproducible DA Form 5381-R (Building Fire Risk
805 Management Survey) provides a checklist and recording document. Each building will have a
806 separate file folder containing past survey records, hazard/deficiency survey records, fire extinguisher
807 inventory and maintenance information, a copy of the pre-fire plan, and other pertinent data. Fire
808 departments will establish an automated record keeping system to monitor the building survey
809 program.

- c. Hazard/deficiency survey record. The reproducible DA Form 5382-R (Hazard/Deficiency Survey Record), informs the building manager of fire hazards or deficiencies noted during surveys.
- d. Hot—work permit. The reproducible DA Form 5383-R (Hot—Work Permit), shall be issued to contractors and installation personnel performing hot-work any place other than permanent shops.
- e. Automated forms may be substituted for forms required by this paragraph.

Section II

Fire Prevention Engineering

6-7 General Requirements

The Fire Department and Department of Public Works (organization responsible for construction and building repair/maintenance) shall have current or electronic copies of UFC code, Fire Protection for Facilities Engineering, Design and Construction, and NFPA Codes & Standards. New construction, renovations and modernization projects will comply with Unified Facilities Criteria (UFC) 3-600-01, Fire Protection for Facilities, Engineering, Design and Construction. For repair projects, only the new work is required to comply with the requirements for new construction. As a minimum, existing buildings will comply with the requirements of NFPA 101, Life Safety Code.

6-8 Cost Effectiveness

Appropriate fire protection in facility and system designs guarantees the most economical and least interruption of essential missions. Installations will not omit fire protection from construction designs and plans for the sake of economy or expediciencies, since add-ons are expensive and often less effective.

6-9 Review of Projects

DODI 6055.6 requires:

- a. Installation/Garrison F&ES personnel review all sustainment, repair and maintenance, (SRM) and construction real property facility projects (for example, alteration, construction, conversion, expansion, maintenance and repair) including DD Forms 1391 (FY Military Construction Project Data) to ensure fire safety standards and criteria are met. This includes nonappropriated funds (NAF), Army and Air Force Exchange Services (AAFES), and self-help projects.
- b. The Installation F&ES office will keep all project review comments in separate facility folders until satisfactory completion of the project.

6-10 Fire Protection Deficiency Correction Program

Fire Protection Deficiency Correction Program F&ES organizations will use the risk management model employed in AR 385-16. This regulation prescribes policies and procedures, and identifies responsibilities to ensure hazards in Army systems and facilities are identified and the risks associated with these hazards are properly managed.

6-11 Fire Protection Systems

a. Installation/garrisons shall provide fire protection systems (suppression and detection) per UFC 3-600-01.

b. Family Housing Provisions. Install hard-wired smoke detectors and, where required, automatic sprinkler systems in Army-controlled family housing units in the United States and its territories per PL 102-522 (15 U.S.C. 2201), as implemented by the following Army policy. These housing units include Army controlled military family housing, (whether Army owned, privatized, leased, or RCI) and mobile homes on the installation.

(1) Smoke detectors, hardwired to the building electrical system and meeting the requirements of NFPA 72, National Fire Alarm Code will be provided in all housing units. When smoke detectors are installed and where more than one smoke detector is required, they will be so arranged that operation of any smoke detector will cause the alarm sounding device in all smoke detectors within the unit to sound. Privately owned mobile homes will have smoke detectors as a prerequisite for assignment to mobile home space. Smoke detectors shall be replaced per NFPA 72, National Fire Alarm Code recommendations.

(2) Carbon monoxide detectors shall be installed in structures serviced by natural gas, petroleum or other combustible fuel sources. Detectors shall be replaced per manufacturer's recommendations.

(3) Automatic sprinkler protection per the applicable NFPA 13, (Installation of Sprinkler Systems), 13R, (Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height), or 13D, (Installation of Sprinkler Systems in One and Two Family Dwellings and Manufactured Homes) standards will be provided for new multi-family housing and for renovated multi-family housing whose renovation cost is 70 percent or more of the dwelling unit costs, excluding the land. When replacement cost is less than 70 percent, family housing will meet the requirements of UFC 3-600-01. For purpose of this regulation, multi-family housing is defined as a residential

building with more than two residential units under one roof. Townhouses with two-hour, fire-rated unit separation walls which extend from ground to the roof deck are not considered multi-family housing and will be protected the same as single-family housing.

c. Army UPH, hotels, and transient quarters used for federal personnel on official travel will comply with the Hotel & Motel Fire Safety Act of 1990, PL 101-391(15 U.S.C. 2224). It requires single station hard wired smoke detectors in each guest room per NFPA 72 and automatic sprinkler systems in buildings four or more stories. For new facilities, compliance with UFC 3-600-01 is required.

d. The maintenance, inspection, and testing of fire protection systems, and water distribution systems will comply with applicable NFPA Codes and UFC 3-600-02, Inspection, Testing and Maintenance of Fire Protection Systems.

e. Installation/garrisons shall assign the highest repair priority for fire protection systems.

6-12 Halon Fire Fighting Agents Phase-out

Halon fire fighting agent's phase-out will follow the Army Ozone Depleting Chemicals (ODC) Strategic Plan.

6-13 Portable Fire Extinguishers

a. Facilities. The facilities engineer or user will furnish the initial purchase and installation of fire extinguishers in newly constructed facilities and their replacement in existing facilities, per NFPA 101, Life Safety Code. The fire department will determine the type, size, and location of extinguishers per NFPA 10, Portable Fire Extinguishers. Installation/garrisons will not furnish portable fire extinguishers in family housing areas, unless required by NFPA 101.

b. Flightlines. Installations/garrisons will issue (on hand receipt) alkaline base (sodium and potassium bicarbonate), BC, dry chemical, 50-pound and 125-pound or equivalents, wheeled extinguishers for the following aircraft. (They will replace existing 1211 extinguishers through attrition).

(1) Every three parked, small, or "medium helicopters " (UH-60/AH-64 and below) and small "fixed-wing " aircraft (C-12 or equivalent) requires a 50-pound BC, dry chemical or equivalent, wheeled fire extinguisher.

(2) Every three parked, large helicopters (CH-47 or equivalent), requires a 125-pound BC, wheeled, dry chemical or equivalent, fire extinguisher.

(3) Every three parked, medium fixed-wing aircraft (for example, C-20, C-23 A&B, C-26 or similar aircraft) requires a 125-pound BC, wheeled, dry chemical or equivalent fire extinguisher.

(4) Every parked, large-frame aircraft (for example, C-17, C-130, C-5, C-141, KC-135, DC-8, B707, KC-10, DC-10 or similar aircraft) requires a 125-pound BC, wheeled, dry chemical or equivalent, extinguisher.

(5) Every landing strip and helipad without regularly assigned ARFF vehicles requires a 125-pound BC, dry chemical or equivalent extinguisher.

(a) Aircraft. The user will provide fire extinguishers and extinguishing systems according to the specifications for specific type and model aircraft.

(b) Petroleum, Oils, Lubricant (POL) areas. The user will provide BC, dry chemical extinguishers at POL tanker truck dispensing points, tanker truck parking areas, and outside tracked vehicle maintenance areas.

(c) Tactical and other off-road mobile equipment. Provide per applicable technical bulletins.

(d) Troop units. Issue per TB 5-4200-200-10.

(e) Watercraft. Provide per Coast Guard regulations (available from the Commandant, U.S. Coast Guard (G-M/A2), WASH DC 20590).

6-14 Water Distribution Systems

Requirements for water distribution systems are contained in UFC 3-600-01 and Army regulations.

a. Fire departments are responsible to ensure fire flow testing is conducted annually. Enter results on DA Form 5384-R (Water Flow Test) or equivalent automated system.

b. Fire hydrants will be painted per Army Installation Design Standards (IDS). Flow capacity will be indicated by color scheme per NFPA 291, Flow Testing and Marking of Hydrants. As a minimum, there shall be a 360 degree, color coded, light reflective band on the bonnet of all hydrants.

c. Out of service fire hydrants will be repaired in a timely manner.

6-15 Space Heaters (Liquid Fuel)

When certified by an independent testing agency, installations may use these heaters in remote, small, well-ventilated locations where people do not sleep (such as guard houses, ranges, or training areas) or when approved by the installation commander and or fire chief as interim emergency heating.

Chapter 7

Provide Emergency Response Services for Incidents Involving Hazardous Materials (HAZMAT) and Weapons of Mass Destruction (WMD) and Chemical, Biological, Radiological, Nuclear, and High Explosives (CBRNE)

7-1 Program Objectives

Provide emergency response, mitigation and rescue services for HAZMAT and WMD per DODI 6055.6, DODI 2000.16, DODI 2000.18, AR 525-13, Antiterrorism, associated implementing Army Regulations (AR), and applicable local/host nation laws and regulations.

7-2 HAZMAT and WMD Response Services Staffing

F&ES departments will be properly staffed with trained, qualified and certified personnel per DODI 6055.6 and applicable NFPA requirements. Firefighters are critical members of the first responder team and shall be staffed, trained, and equipped in accordance with the HAZMAT and CBRNE emergency response plan. Response times are shown in figure 7-1.

Program Element	Response Time
HAZMAT (including first response to CBRNS/WMD incidents)	First Responding Units 7 Minutes Response Time (RT) for 90% of all alarms based on: Call Processing Time: 1 Minute Turnout Time: 1 Minute Travel Time: 5 Minutes Remaining Units: 12 Minutes RT for 90% of all alarms Minimum Response: FESWG CONOPS

Figure 7-1. HAZMAT (including first response to CBRNS/WMD incidents Response Time

7-3 Hazardous Materials Incident Response Planning

- a. The Installation commander/Garrison commander will develop and implement a site-specific HAZMAT Response Plan implementing Executive Order 12856, Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986; Pollution Prevention Act (PPA) of 1990; 29 CFR 1910.120 and 29 CFR 1910.1200.
 - b. Chemical, Biological, Radiological, Nuclear and High Yield Explosive (CBRNE).
- Installation/garrison commanders shall implement the requirements of DODI 2000.18., including development of a CBRNE emergency response plan that integrates facilities, equipment, training,

personnel and procedures into a comprehensive effort designed to provide appropriate protection to personnel and critical mission activities.

c. Installation Spill Response/Contingency Plan. The Installation/Garrison Environmental Division is responsible for development of this plan per AR 200-1, Environmental Protection and Enhancement.

The F&ES will participate in the development of the plan and review the final plan. The Fire Chief or senior fire officer on the scene shall be identified as the Incident Commander in the plan.

Chapter 8

Provide Emergency Response Services for Wildland Fires

8-1 Program Objectives

Provide emergency response and rescue services for wildland fires. Manage the installation integrated wildland fire management plan per the current Army Wildland Fire Policy Guidance (AWFPG) published by the Army Environmental Center (AEC).

8-2 Wildland Fire Response Services Staffing

Wildland fire support must be properly staffed with trained, qualified and certified personnel per AWFPG. Additional staffing requires preparation and submission of a wildland fire risk assessment through the region and IMA or MACOM to HQDA (ACSIM).

8-3 Wildland Fire Incident Response Planning

a. Installations with unimproved grounds that present a wildfire hazard and/or installations that use prescribed burns as a land management tool will develop and implement an Integrated Wildland Fire Management Plan (IWFMP) that is compliant and integral with the Integrated Natural Resources Management Plan (INRMP), the installation's existing fire and emergency services program plan(s) and the Integrated Cultural Resources Management Plan (ICRMP).

b. The IWFMP must consider availability and use of military personnel and equipment, specialized firefighting apparatus, and other specialized requirements.

8-4 Conservation Funding

a. The Real Property Services is responsible for wildland control and prescribed burning that is needed to reduce fuels.

b. The Environmental Program (Conservation) would fund wildland fire activities in support of ecosystem management efforts.

c. The G-3 is only responsible for firebreak establishment during range construction (MILCON).

976 **Chapter 9**

977 **Provide Emergency Medical Response Services**

978 **9-1 Program Objectives**

979 This program provides emergency medical/transportation response services as required.

980 **9-2 Emergency Medical Services Staffing**

981 a. Emergency medical "First Responder" services must be staffed with trained, qualified and certified
982 personnel per DODI 6055.6, NFPA and local/host nation/DOT/State/Federal requirements.

983 b. Emergency ambulance/transport services, if provided, must be separately staffed with Fire
984 Fighter/Emergency Medical Technicians (FF/EMT).

985 **9-3 Emergency Medical Response Planning**

986 a. Where fire departments provide emergency medical response, installation/garrisons will establish
987 and maintain emergency medical response programs that are staffed with appropriately certified "First
988 Responder" or higher certified personnel and equipment per EMS National Standard Curriculum.
989 Emergency Medical Services (EMS) shall be provided that comply with installation or local medical
990 protocols.

991 b. Installation/Garrisons shall comply with emergency medical response time standards contained in
992 NFPA 1710. Response times are shown in figure 9-1.

993 c. Provision of EMS services will be provided under the supervision of a qualified Operational Medical
994 Director (OMD).

995

Program Element	Response Time
Emergency Medical Response	First Responding Units 7 Minutes Response Time (RT) for 90% of all alarms based on: Call Processing Time: 1 Minute Turnout Time: 1 Minute Travel Time: 5 Minutes ALS: 12 Minutes RT for 90% of all alarms Minimum Response: Initial alarm assignment capability OR BLS/ALS will be staffed and trained at the level prescribed by the state responsible for providing emergency medical services licensing.

996 **Figure 9-1 Emergency Medical Response Time**

997 **Chapter 10**

998 **Conduct Technical Rescue Operations**

999 **10-1 Program Objectives**

1000 Provide emergency response to specialized technical rescue incidents such as: rope rescue, structure
1001 collapse, high angle, confined space, trenches, water, shipboard, aircraft, vehicle, natural disasters, and
1002 other specialized rescue operations.

1003 **10-2 Technical Rescue Operations Staffing**

1004 Technical rescue operations services must be staffed with trained, qualified and certified personnel per
1005 DODI 6055.6, NFPA and local/host nation/State/Federal requirements.

1006 **10-3 Technical Rescue Operations Planning**

1007 Fire chiefs will assess risk at their installations based on mission operations and develop appropriate
1008 standard operating guidelines (SOG) and/or standard operating procedures (SOP). The results of the
1009 unique risk assessment will determine specialized rescue apparatus and equipment required at the
1010 specific location.

1011 **Chapter 11**

1012 **Provide Specialized Training**

1013 **11-1 Program Objectives**

1014 Provide specialized fire, rescue and emergency training to troop units and other users.

1015 **11-2 Instructor Qualifications**

1016 Fire service instructors must be certified to teach the particular subject per NFPA, AWFPG, and local/host
1017 nation/State/Federal requirements.

1018 **11-3 Training Plans**

1019 Fire chiefs will develop or approve all training plans on topics such as aircraft egress/extrication
1020 procedures, helicopter pilot/crew training for wildland fires, wildland red card training and certification,
1021 confined space rescue, fire brigade, WMD and HAZMAT, first aid, cardio-pulmonary resuscitation (CPR),
1022 fire extinguisher operations and other fire and emergency services awareness training required by the
1023 installation.

Chapter 12

National Fire Incident Reporting System (NFIRS) and Investigation of Fire Incidents

12-1 Reporting Fires and Emergency Services Responses

This chapter establishes procedures for completing National Fire Incident Reporting System (NFIRS) or equivalent DOD fire reporting system, investigations, and other related reports.

12-2 Report Format

The NFIRS uses computer software to transmit reports to a central repository.

12-3 Approval and Submission Procedures

a. Region Directors/MACOMs with special installations will ensure that procedures are established for processing electronic transfer of NFIRS reports at least bi-weekly.

b. Fire chiefs will expeditiously report any fire related incident involving a fatality or materiel damage over \$200,000 to their installation commander/garrison commanders. The format described in figure 12-1 and figure 12-2 will be used to submit the Major Fire Report to their respective Region Director and Higher Headquarters. Fire Chiefs will coordinate these reports with the local Provost Marshal to avoid conflict with SIR's submitted under AR 190-40, Serious Incident Report.

(1) Telephonic notification to Region fire protection specialists will be made expeditiously in turn Region fire protection specialists will expeditiously notify HQIMA and HQDA (ACSIM).

(2) Installation/garrison commanders will review/approve and transmit such reports to their respective regions within 24 hours of the fire incident.

(3) Regions will approve/submit the Major Fire Report by email to the Deputy Assistant Secretary of the Army, Installations and Housing (SAIE-IH), HQDA (ACSIM), and HQIMA within 48 hours of the fire incident.

12-4 Investigation of Fire Incidents

The installation/garrison commander will ensure thorough investigations of all fire incidents.

a. Region F&ES officials will conduct a supplemental technical investigation per NFPA 921, Fire and Explosion Investigation Guide, when a fire causes a death or more than \$200,000 damage. Region Directors may delegate these investigations to the local installation/garrison.

AR 15-6, Procedure for Investigating Officers and Boards of Officers, investigations may substitute for these supplemental technical investigations. Reports of survey or authorized substitutes for survey actions per AR 735-5, mainly concerned with financial responsibility and property accountability, are

1054 not acceptable. Regions will send one copy of the supplemental technical or substitute investigation
1055 report to HQDA (ACSIM) within 45 calendar days of the fire incident. This is separate from
1056 investigation of accidental fires per AR 385-40.

1057 b. The fire investigator who performs the investigation shall be qualified and trained per NFPA 1033,
1058 Fire Investigator Professional Qualifications.

1059 c. The United States Army Criminal Investigation Command (USACIC) has primary investigative
1060 jurisdiction over fire incidents when caused by criminal acts or intent. Additionally, USACIC has
1061 responsibility for investigation of all unattended deaths.

1062 **12-5 Environmental Reporting**

1063 Develop notification guidelines with installation environmental office for all incidents which release
1064 reportable smoke or substances into the environment to meet toxic release inventory for the installation.

1065 **12-6 Public Release of Incident Reports**

1066 The release of copies of incident, fire investigative reports, and related documents will comply with
1067 Freedom of Information Act (FOIA) provisions in AR 385-40 and AR 25-55.

Major Fire Report from Installation/Garrison to Region (Report required within 24 hours of fire)					
From: Installation Commander/Garrison Commander			To: Region Director		
Location:	(Reporting Installation)	State:		Zip	
Date/Time of Fire:	(Month/Day/Year/Local Time)				
How Reported:	(i.e. Telephone, Alarm System, etc.)				
Type/Description of Building:					
Occupancy:		Number of Stories:		Construction:	
Age:	(Years/Months)				
Fire Alarm Systems:					
Fire Suppression Systems:					
Fire Fighting Actions: (Include number of installation and mutual aid fire, EMS, HAZMAT, and rescue vehicles, including staffing and response times. Fire fighting hose evolutions, rescues, salvage, and final extinguishment time)					
Fire Loss: (Army and/or Non-Army Property/Equipment Loss)					
Injuries/Deaths: (Extent of injuries, who/where transported)					
Cause:	(Already determined or under investigation)				
Investigation:	(Local, Safety Center, or Supplemental Technical Investigation required by AR 420-90)				
Prepared by:	(Name, E-mail, and Contact Number – This report will be submitted in PDF only.)				
Note: <u>Must coordinate with the Provost Marshall.</u>		(Reporting Official Signature Block)			

Major Fire Report from Region to Higher Headquarters (Report required within 48 hours of fire)					
From: Region Director			To: CF Addressees		
Location:	(Reporting Installation)	State:		Zip	
Date/Time of Fire:	(Month/Day/Year/Local Time)				
How Reported:	(i.e. Telephone, Alarm System, etc.)				
Type/Description of Building:					
Occupancy:		Number of Stories:		Construction:	
Age:	(Years/Months)				
Fire Alarm Systems:					
Fire Suppression Systems:					
Fire Fighting Actions: (Include number of installation and mutual aid fire, EMS, HAZMAT, and rescue vehicles, including staffing and response times. Fire fighting hose evolutions, rescues, salvage, and final extinguishment time)					
Fire Loss: (Army and/or Non-Army Property/Equipment Loss)					
Injuries/Deaths: (Extent of injuries, who/where transported)					
Cause:	(Already determined or under investigation)				
Investigation:	(Local, Safety Center, or Supplemental Technical Investigation required by AR 420-90)				
Prepared by:	(Name, E-mail, and Contact Number – This report will be submitted in PDF only.)				
CF: SECARMY/SAIE-IH, (Name, E-mail) ACSIM/DAIM-ZA, (Name, E-mail) IMA HQ/SFIM-OP-E, (Name, E-mail) (REGION Chief of Staff Office Symbol, Name, E-mail) OACSIM/DAIM-FD, (Name, E-mail) OACSIM/DAIM-FDF, (Name, E-mail) OACSIM/DAIM-FDF-FE, (Name, E-mail) OACSIM/DAIM-FDH, (Name, E-mail) OACSIM/DAIM-MD, (Name, E-mail)			(Reporting Official Signature Block)		

1070 **Appendix A**

1071 **References**

1072 **Section I**

1073 **Required Publications**

1074 **AR 11-2**

1075 Management Control. (Cited in para 1-13b.)

1076 **AR 15-6**

1077 Procedure for Investigating Officers and Boards of Officers. (Cited in para 12-4.)

1078 **AR 25-3**

1079 Information Systems Supporting Military Construction Projects. (Cited in para 3-3a.)

1080 **AR 25-55**

1081 The Department of The Army Freedom of Information Act Program. (Cited in para 12-6.)

1082 **AR 30-1**

1083 The Army Food Program. (Cited in para 2-3b.)

1084 **AR 30-22**

1085 The Army food Program. (Cited in para 2-2c.)

1086 **AR 140-483**

1087 Army Reserve Land and Facilities Management. (Cited in paras 1-16d and 2-6e.)

1088 **AR 190-40**

1089 Serious Incident Report. (Cited in para 12-3a.)

1090 **AR 200-1**

1091 Environmental Protection and Enhancement. (Cited in para 7-3c.)

1092 **AR 210-50**

1093 Housing Management. (Cited in para 6-4b.)

1094 **AR 385-16**

1095 System Safety Engineering and Management. (Cited in para 6-10.)

1096 **AR 385-40**

1097 Accident Reporting and Records. (Cited in paras 12-4a and 12-6.)

1098 **AR 385-95**

- 1099 Army Aviation Accident Prevention. (Cited in para 5-3e.)
- 1100 **AR 415-15**
- 1101 Army Military Construction Program Development and Execution. (Cited in para 3-3a.)
- 1102 **AR 525-13**
- 1103 Antiterrorism-(Available ONLY from Army Knowledge On-Line). (Cited para 7-1.)
- 1104 **AR 611-1**
- 1105 Military Occupational Classification Structure Development and Implementation. (Cited in para 4-3c(1).)
- 1106 **AR 725-50**
- 1107 Requisitioning, Receipt, and Issue System. (Cited in para 1-19b (1).)
- 1108 **AR 735-5**
- 1109 Policies and Procedures for Property Accountability. (Cited in para 12-4a.)
- 1110 **CTA 50-900**
- 1111 Clothing and Individual Equipment. (Cited in paras 1-16d, 2-8.)
- 1112 **CTA 50-909**
- 1113 Field and Installation/Garrison Furnishings and Equipment. (Cited in para 2-1a(10).)
- 1114 **CTA 50-970**
- 1115 Expendable Items (Except: Medical, Class V, Repair Parts and Heraldic Items). (Cited in para 2-1a(10).)
- 1116 **Air Force Pamphlet 32-2004**
- 1117 Aircraft Fire Protection for Military Operations Other Than War. (Cited in para 5-6a (4).)
- 1118 **Air Force TO 00-105E-9**
- 1119 Aircraft Emergency Rescue Information Fire Protection. (Cited in para 5-6c.) (Obtain this TO by writing to:
- 1120 HQ AFCEA/DF, 139 Barnes Drive, Tyndall AFB, FL 32403-5319.)
- 1121 **DODI 2000.16**
- 1122 DOD Antiterrorism Standards. (Cited in para 7-1.)
- 1123 **DODI 2000.18**
- 1124 Installation, Chemical, Biological, Radiation, Nuclear and High Yield Explosive (CBRNE) Emergency
- 1125 Response Guidelines. (Cited in para 2-1a(8), 7-1, 7-3b.)
- 1126 **DODI 4100.33**
- 1127 Commercial Activities Program Procedures. (Cited in para 2-3.)

1128 **DODI 6000.10**

1129 Emergency Medical Services. (Cited in para 2-1a(5).)

1130 **DODI 6055.6 (<http://www.dtic.mil/whs/directives>)**

1131 **DOD Fire and Emergency Services Program.** (Cited in paras Summary, 1-1, 1-8l, 1-13b, 1-16a, 1-19,

1132 2-1a(1), 2-2a, 2-4, 3-2, 4-3, 5-3, 6-2, 6-9, 7-1, 7-2, 9-2a, 10-2.)

1133 **Department of Defense Fire and Emergency Services Strategic Plan (Current Edition)**

1134 (Cited in para 1-13a.) (<http://www.hqda.army.mil/acsimweb/fd/policy/fire/firemem.htm>)

1135 **Executive Order 12856**

1136 Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and the Pollution Prevention

1137 Act (PPA) of 1990. (Cited in para 7-3a.) Your legal office or law library has a copy compiled under" US

1138 Code Congressional and Administrative News "or purchase from the Superintendent of Documents,

1139 Government Printing Office, Washington, DC 20402-9325.

1140 **International Fire Service Training Association**

1141 (IFSTA) Manuals (ISBN 0-87939-073-5) (Cited in paras 5-6c and 6-14a.). Purchase these manuals from

1142 the following commercial source: Oklahoma State University, Fire Protection Publications, Stillwater, OK

1143 74078-0118. Submit requisitions through the local procurement section.

1144 **MS-3**

1145 Manpower Staffing Standards System Final Report (FIN-REP)/Application, Fire Protection (Army

1146 Common) CONUS, dated January 1989. (Cited in para 2-2n.)

1147 **National Fire Protection Association (NFPA) Codes and Standards**

1148 Purchase these codes and standards, published by the National Fire Protection Association, from the

1149 following commercial source: NFPA, ATTN: Publication Sales Department, 1 Batterymarch Park, P.O.

1150 Box 9146, Quincy, MA 02269-9146. (Cited in paras 1-16b, 4-1c, 4-3a, 4-4, 4-4c (2), 4-5a, b, d, 4-6, 4-8,

1151 5-3b (3)(a), 6-7, 6-11b(1), 6-11b(3), 6-13a, 6-14b, 9-3b, 12-4a, and appendixes C-4, C-6.)

1152 **NFPA 1221**

1153 Installation Maintenance and Use of Emergency Services Communication Systems. (Cited in para 3-

1154 3a(1).)

1155 **NFPA 1405**

1156 Land-Based Fire Fighters Who Respond to Marine Vessel Fires. (Cited in para 4-4.)

- 1157 **NFPA 1582**
- 1158 Physical and medical requirements. (Cited in para 2-1a(9).)
- 1159 **NFPA 1932**
- 1160 Design of and Design Verification Tests for Fire Department Ground Ladders. (Cited in para 1-18.)
- 1161 **NFPA 1901**
- 1162 Automotive Fire Apparatus. (Cited in para 1-19b(2),(5).)
- 1163 **NFPA 1914**
- 1164 Fire Department Aerial Devices Testing. (Cited in para 1-19b(6).)
- 1165 **29 CFR 132**
- 1166 General Requirements. (Cited in para 1-16f.)
- 1167 **29 CFR 133**
- 1168 Eye and Face Protection. (Cited in para 1-16f.)
- 1169 **29 CFR 135**
- 1170 Head Protection. (Cited in para 1-16f.)
- 1171 **29 CFR 136**
- 1172 Foot Protection. (Cited in para 1-16f.)
- 1173 **29 CFR 138**
- 1174 Hand Protection. (Cited in para 1-16f.)
- 1175 **29 CFR 139**
- 1176 Sources of Standards. (Cited in para 1-16f.)
- 1177 **29 CFR 1910.120**
- 1178 Hazardous Waste Operations and Emergency Response. (Cited in paras 2-1a(3), and 7-3a.)
- 1179 **29 CFR 1910.134**
- 1180 Respiratory Protection. (Cited in para 1-16b.)
- 1181 **29 CFR 1910.146**
- 1182 Permit Required Confined Spaces. (Cited in paras 2-1a(4).)
- 1183 **29 CFR 1910.1200**
- 1184 Hazard Communication. (Cited in para 7-3a.)

1185 **32 CFR 626**

1186 Biological Defense Safety Program. (Cited in para 2-1a(6).)

1187 **41 CFR 101-47.4**

1188 GSA Surplus or Excess Property. (Cited in para 4-3c(3)(a).)

1189 **Public Law 91-596**

1190 Occupational Safety and Health Act (OSHA), Title 29 United States Code, 651 et seq. (Cited in paras 1-4,

1191 1-6b, 2-6b.) Your legal office or law library has a copy compiled under "U.S. Code Congressional and

1192 Administrative News "or purchase from the Superintendent of Documents, Government Printing Office,

1193 Washington, DC 20402-9325.

1194 **Public Law 101-391**

1195 Hotel & Motel Fire Safety Act of 1990. (Cited in para 6-11c.)

1196 **Public Law 101-510**

1197 Defense Base Closure and Realignment Act of 1990, PL 101-510, as amended, Section 2905 (b)(8)

1198 (A)(D). (Cited in paras. 2-3c, 4-3c(3), and Glossary.)

1199 **Public Law 102-522**

1200 Fire Administration Authorization Act of 1992. (Cited in paras 6-11b.)

1201 **Public Law 104-113**

1202 National Technology Transfer Advancement Act of 1995. (Cited in para 2-6b,d.)

1203 **SB 700-20**

1204 Army Adopted/Other Items Selected for Authorization/List of Reportable Items. (Cited in para 2-1a(10).)

1205 **TB 5-4200-200-10**

1206 Hand Portable Fire Extinguishers Approved for Army Users. (Cited in para 6-13b (5) (d).)

1207 **United States Code (USC), Title 10, Chapter 47**

1208 Uniform Code of Military Justice. (Cited in paras 1-4, 2-6b.)

1209 **United States Code (USC), Title 10, Section 2465**

1210 Prohibition on contracts for performance of firefighting or security guard functions. (Cited in paras 1-4, 2-

1211 3, 2-3b,d, 4-3c(3)(a).) United States Code (USC), Title 29, Section 794 and Title 42, Sections 4151-4157

1212 Americans with Disabilities Act Guidelines (ADAAG) of 1990 and Uniform Federal Accessibility Standards
1213 (UFAS). (Cited in para 2-6b) 41 CFR Subpart 101-47.4 GSA surplus or excess property (Cited in para 4-
1214 3b (3) (a).)

1215 **Unified Facilities Criteria (UFC) 3-600-01**

1216 Fire Protection for Facilities, Engineering, Design and Construction. (Cited in para 6-7, 6-11a,c, 6-14.)

1217 **Unified Facilities Criteria (UFC) 3-600-02**

1218 Inspection, Testing and Maintenance of Fire Protection Systems. (Cited in para 6-11d.)

1219 **Unified Facilities Criteria (UFC) 4-010-01**

1220 DOD Minimum Antiterrorism Standards for Buildings. (Cited in para 4-5.)

1221 **GS-081**

1222 Office of Personnel Management (OPM) Standards. (Cited in para 1-10b.)

1223 **Army Occupational Safety and Health (AOSH) 1500.** (Cited in para 2-1a(2).)

1224 **Army Wildland Fire Policy Guidance.** (Cited in para 2-1a(7).)

1225 **Air Force Pamphlet 32-2004**

1226 Aircraft Fire Protection for Military Operations Other Than War. (Cited in para 5-3c.)

1227 **Air Force Technical Order 00-105E-9**

1228 Aerospace Emergency Rescue and Mishap Response Information (Emergency Services). (Cited in para
1229 5-3e.)

1230 **Section II**

1231 **Related Publications**

1232 A related publication is merely a source of additional information. The user does not have to read it to
1233 understand this regulation.

1234 **AR 5-17**

1235 Army Ideas for Excellence Program

1236 **AR 11-2**

1237 Internal Management Control Review Checklist

1238 **AR 25-55**

1239 Processing FOIA requests

1240 **AR 50-5**

1241 Nuclear Surety

1242 **AR 58-1**

1243 Management, Acquisition and Use of Motor Vehicles.

1244 **AR 95-1**

1245 Army Aviation: General Provisions and Flight Regulations

1246 **AR 95-2**

1247 Air Traffic Control, Airspace, Airfields, Flight Activities, and Navigational Aids

1248 **AR 335-15**

1249 Management Information Control System

1250 **AR 385-10**

1251 Army Safety Program

1252 **AR 385-55**

1253 Prevention of Motor Vehicle Accidents

1254 **AR 405-45**

1255 Inventory of Army Military Real Property

1256 **AR 405-90**

1257 Disposal of Real Estate

1258 **AR 420-70**

1259 Buildings and Structures

1260 **AR 420-74**

1261 Natural Resources: Land, Forest, and Wildlife Management

1262 **AR 500-50**

1263 Civil Disturbances

1264 **AR 500-60**

1265 Disaster Relief

1266 **CEGS-15501**

1267 Sprinkler Systems, Fire Protection. (Obtain from National Institute of Building Sciences, 1201 L Street,

1268 NW. Suite 400, Washington, DC 20005-4024.)

- 1269 **CEGS-16721**
- 1270 Fire Detection and Alarm Systems. (Obtain from same address as above.)
- 1271 **DA Pam 385-40**
- 1272 Army Accident Investigation and Reporting
- 1273 **DA Pam 420-8**
- 1274 Facilities Engineering Management Handbook.
- 1275 **DODI 6055.9 -- STD**
- 1276 Ammunition and Explosives Safety Standards.
- 1277 **FM 10-67**
- 1278 Petroleum Supply in Theaters of Operation
- 1279 **FM 10-68**
- 1280 Aircraft Refueling
- 1281 **FM 10-69**
- 1282 Petroleum Supply Point Equipment and Operations
- 1283 **FM 10-71**
- 1284 Petroleum Tank Vehicle Operations
- 1285 **Joint Commission on Accreditation of Healthcare**
- 1286 Organizations (Purchase this manual from the JCAHO, 1 Renaissance Blvd., Oakbrook Terrace, IL
- 1287 60181.)
- 1288 **NFPA Healthcare Facilities Handbook**
- 1289 Purchase this handbook from: NFPA, ATTN: Publication Sales Department, 1 Batterymarch Park, P.O.
- 1290 Box 9146, Quincy, MA 02269-9146.
- 1291 **NFPA Life Safety Code Handbook**
- 1292 Purchase this handbook from NFPA, ATTN: Publication Sales Department, 1 Batterymarch Park, P.O.
- 1293 Box 9146, Quincy, MA 02269-9146.
- 1294 **Public Law 93-498**
- 1295 Federal Fire Prevention and Control Act of 1974.
- 1296 **Public Law 98-407, Section 801**
- 1297 Liability of Occupants of Military Housing, 10 USC, Section 2775.

- 1298 **Public Law 101-549**
- 1299 The Clean Air Act Amendments of 1990, Title VI: Stratospheric Ozone and Global Climate Protection.
- 1300 **TB 43-0002-38**
- 1301 Maintenance Expenditure Limits for FSC Group 42, FSC Classes 4210 and 4230.
- 1302 **TM 5-848-2**
- 1303 Handling of Aircraft and Automotive Fuels.
- 1304 **TM 9-1300-206**
- 1305 Ammunition and Explosive Standards
- 1306 **TM 38-600**
- 1307 Management of Administrative Use Motor Vehicles.
- 1308 **TM 38-750**
- 1309 The Army Maintenance Management System (TAMMS).
- 1310 **Uniform Building Code**
- 1311 Purchase this code from the International Conference of Building Officials, 5360 South Workman Mill
- 1312 Road, Whittier, CA 90601-2298.
- 1313 **Section III**
- 1314 **Prescribed Forms**
- 1315 DA forms are available on the Army Publishing Directorate web site (www.apd.army.mil); DD forms are
- 1316 available from the OSD web site (www.dior.whs.mil).
- 1317 **DA Form 5376-R**
- 1318 Individual Training Evaluation Record. (Prescribed in para 2-8c.)
- 1319 **DA Form 5377-R**
- 1320 Fire Protection Training Record. (Prescribed in para 2-8c.)
- 1321 **DA Form 5379-R**
- 1322 Apparatus Maintenance Checklist. (Prescribed in Figure C-4.)
- 1323 **DA Form 5380-R**
- 1324 Fire Apparatus Test Record. (Prescribed in para 1-20b(6).)
- 1325 **DA Form 5381-R**
- 1326 Building Fire Risk Management Survey. (Prescribed in para 6-6a, Figure C-5.)

- 1327 **DA Form 5382-R**
- 1328 Hazard/Deficiency Survey. (Prescribed in para 6-6b.)
- 1329 **DA Form 5383-R**
- 1330 Hot - Work Permit. (Prescribed in para 6-6c.)
- 1331 **DA Form 5384-R**
- 1332 Water Flow Test. (Prescribed in para 6-14a and Figure C-7.)
- 1333 **DD Form 1391-EF**
- 1334 Military Construction Project Data. (Prescribed in para 6-9(1).)
- 1335 **Section IV**
- 1336 **Referenced Forms**
- 1337 **This section contains no entries.**

Appendix B

Minimum Training Subjects and Frequencies

B-1. Suppression proficiency training—academic and practical

Table B-1 lists the minimum training subjects that firefighters must complete. The codes under the required frequency column are M-monthly; Q-quarterly; SA-semiannually; and A-annually.

Table B-1

Suppression proficiency training—academic and practical

Item: **1**

Subject: **Aircraft Egress (Ref: IFSTA)**

Required frequency: **Q**

Item: **2**

Subject: **First Aid/CPR (Ref: IFSTA)**

Required frequency: **Q**

Item: **3**

Subject: **Pumper Operation (Ref: IFSTA)**

Required frequency: **A**

Item: **4**

Subject: **Rescue tools (Ref: IFSTA)**

Required frequency: **Q**

Item: **5**

Subject: **Training Fires (Ref: IFSTA)**

Required frequency: **SA**

1366	Item: 6
1367	Subject: Mutual Aid (Ref: AR 420-90)
1368	Required frequency: A
1369	
1370	Item: 7
1371	Subject: Structural Drills (Ref: IFSTA)
1372	Required frequency: M
1373	
1374	Item: 8
1375	Subject: Prefire Planning (Ref: AR 420-90)
1376	Required frequency: Q
1377	
1378	Item: 9
1379	Subject: Water Supply for fire protection (Ref: TM 5-813-6)
1380	Required frequency: Q
1381	
1382	Item: 10
1383	Subject: Sprinkler Systems (Ref: NFPA 13)
1384	Required frequency: Q
1385	
1386	Item: 11
1387	Subject: Fire Inspection Procedures (Ref: IFSTA)
1388	Required frequency: SA
1389	
1390	Item: 12
1391	Subject: Breathing Apparatus (Ref: Manufacturer's Manual)
1392	Required frequency: SA
1393	

1394	Item: 13
1395	Subject: Apparatus Test (Ref: IFSTA)
1396	Required frequency: A
1397	
1398	Item: 14
1399	Subject: Fire Department Communications (Ref: IFSTA)
1400	Required frequency: SA
1401	
1402	Item: 15
1403	Subject: Natural Cover Fires (Ref: 5-315)
1404	Required frequency: Q
1405	
1406	Item: 16
1407	Subject: Hazardous Chemical Accidents (Ref: NFPA 49, 471, 472, and 1500)
1408	Required frequency: Q
1409	
1410	B-2. Fire prevention proficiency training—academic
1411	Table B-2 is a guideline and lists the recommended training subjects that firefighters must
1412	complete. The codes under the required frequency column are M-monthly; Q-quarterly; SA-
1413	semiannually; and A-annually.
1414	
1415	Table B-2
1416	Fire prevention proficiency training—academic
1417	
1418	Item: 1
1419	Subject: Inspection Procedures (Ref: IFSTA, NFPA 1031)
1420	Required frequency: SA
1421	

1422 Item: **2**

1423 Subject: **Building Construction (Ref: UFC 3-600-01, NFPA 241)**

1424 Required frequency: **SA**

1425

1426 Item: **3**

1427 Subject: **Classification of Occupancies (Ref: NFPA 101)**

1428 Required frequency: **SA**

1429

1430 Item: **4**

1431 Subject: **Means of Egress (Ref: NFPA 101)**

1432 Required frequency: **SA**

1433

1434 Item: **5**

1435 Subject: **Features of Fire Protection (Ref: NFPA 101)**

1436 Required frequency: **SA**

1437

1438 Item: **6**

1439 Subject: **Building Service Equipment (Ref: NFPA 101)**

1440 Required frequency: **SA**

1441

1442 Item: **7**

1443 Subject: **Places of Public Assembly (Ref: NFPA 101)**

1444 Required frequency: **SA**

1445

1446 Item: **8**

1447 Subject: **Educational Occupancies (Ref: NFPA 101)**

1448 Required frequency: **SA**

1449

1450 Item: **9**

1451 Subject: **Health Care and Penal Occupancies (Ref: NFPA 101)**

1452 Required frequency: **SA**

1453

1454 Item: **10**

1455 Subject: **Residential Occupancies (Ref: NFPA 101)**

1456 Required frequency: **SA**

1457

1458 Item: **11**

1459 Subject: **Mercantile Occupancies (Ref: NFPA 101)**

1460 Required frequency: **SA**

1461

1462 Item: **12**

1463 Subject: **Business Occupancies (Ref: NFPA 101)**

1464 Required frequency: **SA**

1465

1466 Item: **13**

1467 Subject: **Industrial Occupancies (Ref: NFPA 101)**

1468 Required frequency: **SA**

1469

1470 Item: **14**

1471 Subject: **Storage Occupancies (Ref: NFPA 101)**

1472 Required frequency: **SA**

1473

1474 Item: **15**

1475 Subject: **Occupancies in Unusual Structures (Ref: NFPA 101)**

1476 Required frequency: **SA**

1477

1478	Item: 16
1479	Subject: Operating Features (Ref: NFPA 101)
1480	Required frequency: SA
1481	
1482	Item: 17
1483	Subject: Fire Extinguishers (Ref: NFPA 10)
1484	Required frequency: SA
1485	
1486	Item: 18
1487	Subject: Fire Alarm Systems (Ref: NFPA 71, 72 Series, and NFPA 74)
1488	Required frequency: SA
1489	
1490	Item: 19
1491	Subject: Installed Extinguishing Systems (Ref: NFPA 96)
1492	Required frequency: SA
1493	
1494	Item: 20
1495	Subject: Installed Sprinkler Systems (Ref: NFPA 96)
1496	Required frequency: SA
1497	
1498	Item: 21
1499	Subject: Project Review and Submittal (Ref: UFC 3-600-01)
1500	Required frequency: SA
1501	
1502	Item: 22
1503	Subject: Fire Investigation (Ref: IFSTA)
1504	Required frequency: SA
1505	

1506 Item: **23**

1507 Subject: **Welding and Cutting (Ref: NFPA 51B)**

1508 Required frequency: **SA**

1509

1510 Item: **24**

1511 Subject: **Munitions (Ref: 5154.4S)**

1512 Required frequency: **SA**

1513

1514 Item: **25**

1515 Subject: **Reports and Records (Ref: AR 420-90)**

1516 Required frequency: **SA**

1517

1518 Item: **26**

1519 Subject: **Base Population Training (Ref: AR 420-90)**

1520 Required frequency: **SA**

1521

1530 **Appendix C**

1531 **Management Control Evaluation Process**

1532 **C-1 Function**

1533 Fire and Emergency Services

1534 **C-2 Key Management Controls**

1535 Fire and Emergency Service Operational Readiness Inspection identifies key management controls in this

1536 function.

1537 **C-3 Management Control Evaluation Process**

1538 The Installation/Garrison Fire Chief will evaluate these key management controls utilizing the following

1539 F&ES ORI report format.

**Department of the Army
Fire and Emergency Service Operational
Readiness Inspection (F&ES ORI)
In-Briefing by Fire Chief**

Date:

1. Name of Installation/Garrison:

2. Location of Installation/Garrison:

3. Mission of Installation/Garrison:

4. New Conditions or Significant Changes Since Last Inspection:

5. Description of Installation/Garrison:

a. Structures:

(1) Number of buildings ____ Wood Frame ____

Non-Combustible ____ Other ____.

(2) Total square footage of buildings subject to fire inspections (excluding family housing), except for the common areas (storage rooms, stairwells, & corridors) and shall also include hard stands/storage areas:

(3) Improved acres:

(4) Unimproved acres:

(5) Number of major buildings:

(a) Warehouses ____ Square Feet ____

(b) Hospitals/Clinics ____ with a patient load of ____

Square Feet ____.

(c) Public assembly facilities ____ Square Feet ____

(d) Dormitories: ____ Square Feet ____

(e) Hangars: ____ Square Feet ____

(f) Structures, Three Stories: ____

Over Three Stories ____

(g) Family Housing Units: ____ Square Feet ____

(h) Major Industrial Facilities: ____ Square Feet ____

1570 (i) Hard Stands: _____ Square Feet _____.

1571 Outside Storage Areas: _____ Square Feet _____.

1572 b. Aircraft Rescue Fire Fighting (ARFF) Mission:

1573 (1) Number of permanently assigned aircraft _____.

1574 (2) Types of aircraft _____.

1575 (3) Average number of aircraft movements (landing/takeoffs)

1576 per month, of military aircraft and/or transient aircraft: _____

1577 (4) Air Crash, Search, and Rescue (ACS&R) maps provided to

1578 each airfield: Yes or No _____

1579 c. List additional F&ES Missions required for the Installation/Garrison

1580 (HAZMAT, Confined Space, etc):

1581 _____

1582 _____

1583 _____

1584 d. Quantities of Extinguishing agent on hand:

1585 (1) Aqueous Film Forming Foam: 3% _____

1586 Year Manufactured _____

1587 (2) Aqueous Film Forming Foam: 6% _____

1588 Year Manufactured _____

1589 (3) Additional type foams _____ Year Manufactured _____

1590 (4) ABC Dry Chemical _____

1591 (5) BC Dry Chemical _____

1592 (6) Dry Powder _____

1593 (7) Halon 1211 _____

1594

1595 (8) Halon 1301 _____

1596 6. Fire Protection Systems:

1597 a. Automatic Sprinkler Systems:

1598 (1) Number wet systems required: _____

1599 No. Installed: _____

1600 (2) Number dry systems required: _____

1601 No. Installed: _____

1602 (3) Number deluge systems required: _____

1603 No. Installed: _____

1604 (4) Number AFFF systems required: _____

1605 No. Installed: _____

1606 (5) Condition of systems: # Good, _____ # Poor _____

1607 (6) Number of systems out-of-service: _____

1608 (7) Number of systems under contract for repair: _____

1609 (8) Number of systems being totally replaced: _____

1610

1611 (9) Remarks on system (such as work order No.'s, etc):

1612 _____

1613 **b. Fire Alarm Systems:**

1614 (1) Number of buildings requiring Alarm Systems and detection

1615 systems: ____/____ No. Installed: ____/____

1616 (2) Condition of systems: # Good _____ # Poor _____

1617 (3) Number of systems out of service: _____

1618 (4) Number of systems under contract for repair: _____

1619 (5) Number of systems being totally replaced: _____

1620 (6) Remarks on system (such as work order No.'s, etc):

1621 _____

1622 (7) Number and type of other fire protection systems on the

1623 installation:

1624 (a) Wet Chemical: _____

1625 (b) Dry Chemical: _____

1626 (c) Clean Agent: _____

1627 (d) CO2: _____

1628 (e) Halon: _____

1629 (f) Number of systems out-of-service: _____

1630 (g) Number of systems under contract for repair: _____

1631 (h) Number of systems being totally replaced: _____

1632 (i) Remarks on systems (such as work order No's, etc):

1633 _____

1634 (j) Is scheduled maintenance and testing of fire protection systems performed by in-

1635 house personnel or by contract? _____

1636 c. Fire Alarm Receiving Equipment:

1637 (1) Does the fire department have a fire alarm receiving unit? Yes or No _____

1638 (2) What type of fire alarm receiver (Manufacturer): _____

1639 Model # _____ Year Installed _____

1640 (3) How do the fire alarm systems transmit to the central receiver:

1641 (a) Hardwire _____ # Installed _____

1642 (b) Radio _____ # Installed _____

1643 Number of hardwired systems that are tied into existing transmitters:

1644 _____

1645 (4) Condition of the fire alarm receiving unit: # Good _____

1646 # Poor _____

1647 (5) Total number of fire protection systems (fire alarm, detection, and

1648 suppression) on the installation: _____

1649 (a) Number of these systems that transmit to the emergency

1650 dispatch center: _____

1651 (6) Total number of buildings requiring smoke detection: _____

1652 # Buildings installed: _____

1653 (a) Number of housing units meeting requirements:_____

1654 (b) Number of sleeping rooms other than family housing units

1655 with smoke detectors:_____

1656 (c) Number of battery operated smoke detector:_____

1657 8. Equipment:

1658 a. Apparatus:

1659 (1) Pumper:

1660 GPM_____Authorized_____Assigned_____Age(s)_____

1661 GPM_____Authorized_____Assigned_____Age(s)_____

1662 GPM_____Authorized_____Assigned_____Age(s)_____

1663 GPM_____Authorized_____Assigned_____Age(s)_____

1664 (Add additional lines if needed)

1665 (2) Mini Pumper Authorized_____Assigned_____Age(s)_____

1666 (3) Ladder Truck Authorized_____Assigned_____Age(s)_____

1667 (4) Tanker Commercial Authorized_____Assigned_____Age(s)_____

1668 (5) ARFF Vehicle Authorized_____Assigned_____Age(s)_____

1669 (6) Other Type:

1670 (a) HAZ MAT Authorized_____Assigned_____Age(s)_____

1671 (b) Rescue Authorized_____Assigned_____Age(s)_____

1672 (c) Trailers Authorized_____Assigned_____Age(s)_____

1673 (d) Ambulance Authorized_____Assigned_____Age(s)_____

1674

1675 (e) Brush Vehicles Authorized_____Assigned_____Age(s)_____

1676

1677 (f) Command and Control vehicle Authorized_____Assigned_____

1678 Age(s)_____

1679 (g) Other vehicles Authorized_____Assigned_____Age(s)_____

1680 (7) Apparatus eligible for replacement because of age, mileage, or uneconomically
1681 repairable status:
1682 _____
1683 _____
1684 _____

1685 (8) Other tools and equipment:
1686 (a) 10-14 Foot Roof Ladders: _____ Date Tested: _____
1687 (b) 20-24 Foot Ladders: _____ Date Tested: _____
1688 (c) 35-36 Foot Ladders: _____ Date Tested: _____
1689 (d) Other Ladders: _____ Date Tested: _____
1690 (e) Rescue/Extrication tools: _____ Date Tested: _____
1691 (f) Breathing Apparatus:
1692 1. Manufacturer: _____
1693 2. Integrated Pass Devices: Yes ____ No ____
1694 3. Number of 30 Minute units: _____
1695 4. Number of 30 Minute spare SCBA bottles: _____
1696 5. Number of 45/60 Minute units: _____
1697 6. Number of 45/60 Minute spare SCBA bottles: _____
1698 7. Are Hydro Static tests for all SCBA bottles performed: _____
1699 8. Breathing air recharge capability: Yes ____ No ____
1700 9. Date breathing air last tested: _____

1701 (g) Rescue tools:
1702 1. Number of power rescue saws: _____ # In-service _____
1703 2. Number of power rescue tools: _____ # In-service: _____

1704 (h) Number of lighting equipment: _____ # In-service: _____

1705 (i) Miscellaneous: _____

1706 b. Personal Protective Equipment:
1707 (1) Fire protective clothing:

1708 (a) Structural Gear: Number of sets required: _____ Number of sets issued: _____

1709 Condition: # Good _____ # Poor _____

1710 (b) ARFF Gear: Number of sets required: _____ Number of sets issued: _____

1711 Condition: # Good _____ # Poor _____

1712 (c) Are firefighters provided with equipment IAW NFPA 1500 safety equipment to

1713 include:

1714 1. Number of Nomex Hoods: Required: _____ Provided: _____

1715 2. Number of Gloves: Required: _____ Provided: _____

1716 3. Number of PASS Devices: Required: _____ Provided: _____

1717 4. Number of Hearing Protection: Required: _____ Provided: _____

1718 5. Number of SCBA Individual face pieces: Required: _____ Provided: _____

1719 6. Number of Pocket CPR Masks: Required: _____ Provided: _____

1720 7. Number of other equip.: Required: _____ Provided: _____

1721 8. Number of Personnel:

1722 a. Required: _____ Authorized: _____ Assigned: _____

1723 b. Fire Protection requirements: Fire flow requirements are based on what

1724 building/s: _____ and are calculation sheets that document the requirements on file: Yes _____ No _____

1725 c. Companies required due to travel times identified in the DODI 6055.6.

1726 _____

1727 d. Companies required due to response times identified in the DODI 6055.6.

1728 _____

1729 e. Personnel required due to wildland mission: _____

1730 f. Has an Army Risk Assessment been conducted for your fire department and is it current?

1731 (Review at least annually)

1732 (1) Date conducted: _____

1733 (2) Date last reviewed: _____

1734 9. Training Program:

- 1735 a. Who is the assigned training officer: _____
- 1736 b. What training facilities are available: _____
- 1737 c. What are the significant problem areas: _____
- 1738 _____
- 1739 10. Budgetary Data:
- 1740 a. Does the fire chief participate in preparation of the budget? Yes ____ No ____
- 1741 b. Does the fire department have its own budget? Yes ____ No ____
- 1742 c. What amount of funds was programmed in the previous fiscal year on
- 1743 equipment, training, etc?
- 1744 (1) Equipment: Programed: _____ Received: _____
- 1745 (2) Training: Programed: _____ Received: _____
- 1746 d. What amount of funds was programmed in the current fiscal year:
- 1747 (1) Equipment: Programed: _____ Received: _____
- 1748 (2) Training: Programed: _____ Received: _____
- 1749

1750
1751
1752

**Department of the Army
Fire and Emergency Services Operational
Readiness Inspection (F&ES ORI)**

1753 1. Function: **F&ES Administration & Management**

1754 POINTS POSSIBLE: 420

1755 a. Fire stations: 70

1756 b. Fire Department Staffing: 100

1757 c. Personnel: 75

1758 d. Admin: 175

1759 POINTS AWARDED:

1760 a. _____

1761 b. _____

1762 c. _____

1763 d. _____

1764 Total _____

1765 PERCENTAGE: _____

1766 SUBJECT/ACTIVITY: Facilities, Equipment, Records, and Supplies.

1767 a. **Fire Station(s)**

1768 Measurement Methods: 70 PTSAWD_____

1769 PTS: 10/____ (1) Is (are) fire station(s) properly located to meet travel and/or response times, as
1770 required.

1771 OBSERVATION:

1772 CORRECTIVE ACTION:

1773 PTS: 10/ ____ (2) Does the fire station meet the facility requirement per Army Standard/Standard Design.

1774 OBSERVATION:

1775 CORRECTIVE ACTION:

1776 PTS: 10/____ (3) Is adequate housing provided for all F&ES vehicles, equipment, and personnel?

1777 OBSERVATION:

1778 CORRECTIVE ACTION:

1779 PTS: 5/ ____ (4) Is there a dining facility or other suitable means of messing available to feed on-duty
1780 firefighters?

1781 OBSERVATION:

1782 CORRECTIVE ACTION:

1783 PTS: 5/ ____ (5) Is there a suitably equipped classroom or dayroom available to conduct in-station fire
1784 protection training?

1785 OBSERVATION:

1786 CORRECTIVE ACTION:

1787 PTS: 10/ ____ (6) Is there an automatic start emergency generator provided for all fire stations?

1788 OBSERVATION:

1789 CORRECTIVE ACTION:

1790 PTS: 10/ ____ (7) Has an area in each installation fire department been established and specifically
1791 marked, for personnel decontamination, i.e., shower, sink, eyewash.

1792 PTS: 5/ ____ (8) Does each major installation fire department have a clothes washer specifically
1793 designated for washing contaminated clothing, i.e., bunker clothing and station uniforms. Is this washer
1794 specifically identified "only for contaminated clothing"? If a washer is not available are other means of
1795 decontamination accessible.

1796 PTS: 5/ ____ (9) Is a fire station public address system available and is it audible throughout the facility
1797 and exterior work areas.

1798 **b. Fire Department Staffing:**

1799 Measurement Methods: 100 PTS AWD ____

1800 PTS: 50/ ____ (1) Are sufficient fire protection personnel assigned to meet staffing requirements for
1801 structural, ARFF, and wildland fire fighting? (AR 420-90; paras, 4-2, 5-2, 8-2, & DODI 6055.6)

1802 OBSERVATION:

1803 CORRECTIVE ACTION:

1804 PTS: 50/ ____ (2) Are sufficient fire inspectors assigned to meet the staffing requirements? (AR420-90,
1805 para 6-2 and DODI 6055.6)

1806 OBSERVATION:

1807 CORRECTIVE ACTION:

1808 **c. Personnel**

1809 Measurement Methods: 75 PTSAWD _____

1810 PTS: 10/____ (1) Is the fire department staffed with qualified firefighters? (AR 420-90 and DODI 6055.6)

1811 OBSERVATION:

1812 CORRECTIVE ACTION:

1813 PTS: 5/____ (2) Are personnel assigned duties that are **NOT** outside the fire protection function or
1814 assigned details that conflict with their primary duties? (AR 420-90, para. 2-1.c)

1815 OBSERVATION:

1816 CORRECTIVE ACTION:

1817 PTS: 30/____ (3) Has an Army Risk Assessment been conducted for the fire department and is it
1818 current? (Review at least annually) Date completed _____ and/or reviewed _____ (AR 420-90 and
1819 DODI 6055.6)

1820 OBSERVATION:

1821 CORRECTIVE ACTION:

1822 PTS: 10/____ (4) Are firefighters receiving physical examinations? (DODI 6055.6)

1823 OBSERVATION:

1824 CORRECTIVE ACTION:

1825 PTS: 20/____ (5) Is the fire department following a physical fitness program? (AR 420-90, para 2-8a and
1826 DODI 6055.6)

1827 OBSERVATION:

1828 CORRECTIVE ACTION:

1829 **d. Administration Management Procedures & Policies**

1830 Measurement; Methods: 175 PTS AWD: _____

1831 PTS: 50/____ (1) Has a NFPA 1500 program been established and has it been implemented?

1832 OBSERVATION:

1833 CORRECTIVE ACTION:

1834 PTS: 10/____ (2) Has the fire chief implemented a computer based data management system? (AR 420-
1835 90, para 2-8c (2).)

1836

1837 OBSERVATION:

1838 CORRECTIVE ACTION:

1839 PTS: 30/____ (3) Are SOP's established to identify both management and operational guidelines?

1840 Baseline SOP list is provided with this document and is located at the end of the document.

1841 OBSERVATION:

1842 CORRECTIVE ACTION:

1843 PTS: 5/____ (4) Is the fire department part of the installations Spill Prevention Control and

1844 Countermeasure Plan (SPCCP) and Installation Spill Contingency Plan (ISCP)? (AR 200-1)

1845 OBSERVATION:

1846 CORRECTIVE ACTION:

1847 PTS: 50/____ (5) Are the following fire department records maintained?

1848 (AR 420-90)

1849 (5 Pts. ea.)

1850 Daily log or journal

1851 Hose records

1852 Hydrant records

1853 Annual pumper test (NFPA 1911 & AR 420-90) & ARFF vehicles

1854 (NFPA 414)

1855 Annual aerial and ground ladder test (NFPA 1914, & 1932)

1856 Air quality testing for SCBA recharge units. (Quarterly, NFPA 1404

1857 & 1500)

1858 SCBA maintenance and testing records. (NFPA 1981 or 1404 &

1859 Manufactures Guidelines)

1860 Rescue ropes and associated gear. (NFPA 1500, para 5-9.5 &

1861 OSHA)

1862 Rescue tools and equipment.

1863 Annual fit testing for SCBA face pieces. (NFPA 1404 & 1500)

1864 OBSERVATION:

1865 CORRECTIVE ACTION:

1866 PTS: 10/____ (6) Is an annual F&ESORI self-inspection performed and documented using the F&ESORI
1867 format? (AR 420-90, para. 1-17b)
1868 OBSERVATION:
1869 CORRECTIVE ACTION:
1870 PTS: 5/____ (7) Has the fire chief developed procedures to provide meals and dining to fire fighters
1871 during extended F&ES operations? (AR 420-90, para 1-13h & AR 30-22)
1872 OBSERVATION:
1873 CORRECTIVE ACTION:
1874 PTS: 10/____ (8) Are written Mutual Aid Agreements properly established, implemented, and reviewed
1875 every two years? (AR 420-90, para 2-5b, & DODI 6055.6)
1876 OBSERVATION:
1877 CORRECTIVE ACTION:
1878 PTS: 5/____ (9) Is a publication reference library properly established and maintained? (AR 420-90,
1879 Appendix A. Sect. I) (Note: Some references are available on the Internet)

1880 OBSERVATION:
1881 CORRECTIVE ACTION:

1882
1883
1884

**Department of the Army
Fire and Emergency Services Operational
Readiness Inspection (F&ES ORI)**

1885 2. FUNCTION: **Training**

1886 POINTS POSSIBLE: 190

1887 POINTS AWARDED: _____

1888 PERCENTAGE: _____

1889 SUBJECT/ACTIVITY: Training Program, Records, Facilities, and Reports

1890

1891 PTS: 5/____ (1) Are the fire chief, training officer and other fire department supervisors actively involved

1892 in administration and execution of the training program? (DODI 6055.6M)

1893 OBSERVATION:

1894 CORRECTIVE ACTION:

1895 PTS: 25/____ (2) Are all fire department personnel DOD certified as required by DOD 6055.6M?

1896 PTS: 10/____ (3) Is a continuous training program established and in effect for all assigned personnel?

1897 (AR 420-90, para 2-8)

1898 OBSERVATION:

1899 CORRECTIVE ACTION:

1900 PTS: 5/____ (4) Has an individual been assigned as a dedicated training officer and personally involved

1901 in the overall proficiency-training program? (AR 420-90, para 2-9b)

1902 OBSERVATION:

1903 CORRECTIVE ACTION:

1904 PTS: 15/____ (5) Does the proficiency training program include the DOD Fire Fighter Certification

1905 Program, applicable NFPA Standards, and ensure each member receives a minimum of 120 hrs

1906 proficiency training per year? (AR 420-90, para 2-9c (1))

1907 OBSERVATION:

1908 CORRECTIVE ACTION:

1909 PTS: 5/____ (6) Is specialized training through recognized and certified professional training sources for

1910 fire and emergency services personnel provided? (AR 420-90, para 2-9c(2))

1911 OBSERVATION:

1912 CORRECTIVE ACTION:

1913 PTS: 5/____ (7) Does the fire chief attend the annual DOD Worldwide F&ES Training sessions held in
1914 conjunction with the International Association of Fire Chiefs (IAFC) Conference? (AR 420-90, para 2-9a)

1915 OBSERVATION:

1916 CORRECTIVE ACTION:

1917 PTS: 10/____ (8) Are funds for training requirements included in the annual budget?

1918 OBSERVATION:

1919 CORRECTIVE ACTION:

1920 PTS: 10/____ (9) Are all personnel certified in emergency medical services commensurate with the level
1921 of their duties? (AR 420-90, para 9-3a)

1922 OBSERVATION:

1923 CORRECTIVE ACTION:

1924 PTS: 5/____ (10) Has each fire fighter been trained for hazardous materials as first responder HAZMAT
1925 Operation's level? (AR 420-90, para 7-2 & DODI 6055.6)

1926 OBSERVATION:

1927 CORRECTIVE ACTION:

1928 PTS: 10/____ (11) Has the fire department been designated as the Confined Space Rescue Response
1929 Team? If so, are the firefighters properly trained and equipped? (AR-420-90, para 11-3 and 29 CFR
1930 1910.146)

1931 OBSERVATION:

1932 CORRECTIVE ACTION:

1933 PTS: 5/____ (12) Has the training officer developed a monthly training schedule, approved and signed by
1934 the fire chief and posted them in each fire station one week before their effective date? Do these
1935 schedules include dates, subject, name of instructor, reference materials and training aids required? (AR
1936 420-90, para 2-8a (1))

1937 OBSERVATION:

1938 CORRECTIVE ACTION:

1939 PTS: 5/____ (13) Do lesson plans comply with the DOD Fire Fighter Certification Program and/or
1940 International Fire Service Training Association (IFSTA Standards)? (AR 420-90, para 2-8a (2))

1941 OBSERVATION:

1942 CORRECTIVE ACTION:

1943 PTS: 5/____ (14) Are aircraft rescue fire fighting (ARFF) exercises conducted (quarterly/annually)? (AR

1944 420-90, para 2-8b (1) and (3))

1945 OBSERVATION:

1946 CORRECTIVE ACTION:

1947 PTS: 5/____ (15) Are nighttime structural exercises being accomplished semi-annually by each shift? (AR

1948 420-90, para 2-8b (2))

1949 OBSERVATION:

1950 CORRECTIVE ACTION:

1951 PTS: 10/____ (16) Are training evaluation records maintained on each individual assigned? (AR 420-90,

1952 para 2-8c)

1953 OBSERVATION:

1954 CORRECTIVE ACTION:

1955 PTS: 20/____ (17) Are training facilities (e.g., smoke house, live fire, & HAZMAT) available? (AR 420-90,

1956 para 2-9d)

1957 OBSERVATION:

1958 CORRECTIVE ACTION:

1959 PTS: 10/____ (18) Are the minimum training subjects and frequencies being accomplished? (AR 420-90,

1960 para 2-8)

1961 OBSERVATION:

1962 CORRECTIVE ACTION:

1963 PTS: 10/____ (19) Has an Emergency Vehicle Operation Course (EVOC) training program been

1964 developed that establishes policy and standard procedures for selecting, testing and licensing personnel

1965 on motorized and emergency response vehicles?

1966 OBSERVATION:

1967 CORRECTIVE ACTION:

1968 PTS: 5/____ (20) Is the Blood Borne Pathogens Program (Infection Control) requirement being met?

1969 (CFR 29-1910.1030)

1970 OBSERVATION:

1971 CORRECTIVE ACTION:

1972 PTS: 5/____ (21) Has a respiratory protection training program been established? (NFPA 1500)

1973 OBSERVATION:

1974 CORRECTIVE ACTION:

1975 PTS: 5/____ (22) Are computers and projectors provided for an interactive multimedia training system

1976 and being utilized to supplement the training program.? (AR 420-90, para 2-8b(5))

1977 OBSERVATION:

1978 CORRECTIVE ACTION:

1979		
1980		
1981		
1982		
1983	3. FUNCTION: Communications	
1984		
1985	POINTS POSSIBLE:	75
1986	POINTS AWARDED:	_____
1987	PERCENTAGE:	_____
1988	SUBJECT/ACTIVITY: Emergency Dispatch Center	
1989	PTS: 5/ _____ (1) Is the Emergency Dispatch Center operated in the most efficient and effective	
1990	manner? (AR 420-90, Chapter 3)	
1991	OBSERVATION:	
1992	CORRECTIVE ACTION:	
1993	PTS: 10/ _____ (2) Is proper staffing provided for the operation of the emergency dispatch center. (AR	
1994	420-90, para 3-2)	
1995	OBSERVATION:	
1996	CORRECTIVE ACTION:	
1997	PTS: 5/ _____ (3) Has a training program been established for the emergency dispatch center.	
1998	OBSERVATION:	
1999	CORRECTIVE ACTION:	
2000	PTS: 5/ _____ (4) Is the primary and secondary crash phone system hardwired with an operational crash	
2001	alarm? (AR 420-90, para 3-3a (2))	
2002	OBSERVATION:	
2003	CORRECTIVE ACTION:	
2004	PTS: 5/ _____ (5) Are the primary and secondary crash alarm systems being tested daily?	
2005	OBSERVATION:	
2006	CORRECTIVE ACTION:	
2007	PTS: 10/ _____ (6) Does the Emergency Dispatch Center have a current copy of all explosive licenses?	
2008	Do they maintain current maps showing all explosives locations? Is the Fire Alarm Communication	

2009 Center kept up to date with ammunition and explosives storage locations and are they provided maps to
2010 these locations?
2011 OBSERVATION:
2012 CORRECTIVE ACTION:
2013 PTS: 10/ ____ (7) Is a 911 type system being utilized, and does it contain Caller ID Name and Address of
2014 Caller, Dictaphone/taping? (AR 420-90, para 3-3)
2015 OBSERVATION:
2016 CORRECTIVE ACTION:
2017 PTS: 5/ ____ (8) Is the Log Book being properly annotated?
2018 OBSERVATION:
2019 CORRECTIVE ACTION:
2020 PTS: 10/ ____ (9) Have two-way radio communications net been established for F&ES communications
2021 with all of the appropriate agencies (narrow band & tactical net)? (AR 420-90, para 3-3b (1))
2022 OBSERVATION:
2023 CORRECTIVE ACTION:
2024 PTS: 5/ ____ (10) Does the communication center have a reliable fire alarm receiver? (AR 420-90, para
2025 3-3b (4))
2026 OBSERVATION:
2027 CORRECTIVE ACTION:
2028 PTS: 5/ ____ (11) Is a voice recorder connected to all emergency communications equipment? (AR 420-
2029 90, para 3-3b(6))
2030 OBSERVATION:
2031 CORRECTIVE ACTION:

2032
2033
2034

**Department of the Army
Fire and Emergency Services Operational
Readiness Inspection (F&ES ORI)**

2035 4. FUNCTION: **F&ES Operations**

2036 POINTS POSSIBLE: 155

2037 POINTS AWARDED: _____

2038 PERCENTAGE: _____

2039 SUBJECT/ACTIVITY: Operational Proficiency (Vehicles, Vehicle Maintenance & Inspections, Self-

2040 Contained Breathing Apparatus (SCBA), Personal Protective Equipment, Maps, Public Address Systems,

2041 Pre-Fire Planning, and Portable Radios).

2042 PTS: 10/____ (1) Have the proper number and type of reliable vehicles been authorized and assigned for
2043 each mission? (AR 420-90 & DODI 6055.6)

2044 OBSERVATION:

2045 CORRECTIVE ACTION:

2046 PTS: 20/____ (2) Is the fire department able to meet the travel and/or response times to all locations IAW
2047 (AR 420-90, Chapters 4,5,7,& 9)?

2048 OBSERVATION:

2049 CORRECTIVE ACTION:

2050 PTS: 10/____ (3) Are all F&ES vehicles being properly maintained by qualified mechanics? (AR 420-90,
2051 para 1-22 & DODI 6055.6)

2052 OBSERVATION:

2053 CORRECTIVE ACTION:

2054 PTS: 10/____ (4) Are Preventive Maintenance Checks and Services (PMCS) procedures being used to
2055 keep fire fighting vehicles in reliable working order? The applicable technical manual outlines PMCS'
2056 procedures. Are vehicle deficiencies documented on DA Form 5379-R (Apparatus Maintenance
2057 Checklist)? (AR 420-90, para 1-22)

2058 OBSERVATION:

2059 CORRECTIVE ACTION:

2060 PTS: 15/ (5) Is immediate action taken to return to service any fire fighting or rescue vehicle that is
2061 out of service (OOS) and the OOS time properly documented in a fire department log book or computer
2062 data file? (AR 420-90, para 1-22b (3))
2063 OBSERVATION:
2064 CORRECTIVE ACTION:
2065 PTS: 5/ (6) Are Personal Alert Safety System (PASS) devices provided and properly maintained?
2066 (AR 420-90, para 1-19e & NFPA 1500)
2067 OBSERVATION:
2068 CORRECTIVE ACTION:
2069 PTS: 10/ (7) Have all fire fighters been issued personal protective equipment (PPE)? Is all PPE
2070 inspected and documented as required by applicable standard? (AR 420-90, para 1-19)
2071 OBSERVATION:
2072 CORRECTIVE ACTION:
2073 PTS: 10/ (8) Is an adequate number of self-contained breathing apparatus and spare air cylinders
2074 on hand? Are one-hour bottles also available for HAZMAT and/or firefighting operations? (NFPA 1902 &
2075 AR 420-90)
2076 OBSERVATION:
2077 CORRECTIVE ACTION:
2078 PTS: 5/ (9) Has the fire department made arrangements for the proper protection, cleaning,
2079 disinfecting, and disposal of equipment, supplies, and clothing used during emergency operations?
2080 (NFPA 1581)
2081 OBSERVATION:
2082 CORRECTIVE ACTION:
2083 PTS: 5/ (10) Is a refractometer available? Is it used to ensure that the AFFF foam metering valve
2084 settings on all vehicles with a foam discharge capability are correct?
2085 OBSERVATION:
2086 CORRECTIVE ACTION:
2087 PTS: 5/ (11) Are audible devices and a public address system available which cover all interior &
2088 exterior work areas? (AR 420-90, para 3-3b(5))

2089 OBSERVATION:

2090 CORRECTIVE ACTION:

2091 PTS: 5/____ (12) Is there a systems outage board available in the fire station that identifies status of fire

2092 protection systems, hydrants, and blocked roadways?

2093 OBSERVATION:

2094 CORRECTIVE ACTION:

2095 PTS: 10/____ (13) Have pre-fire plans been established for all major buildings and anticipated

2096 emergencies (POL, HAZMAT) on the installation and are they available in the Emergency Dispatch

2097 Center, command vehicles, & etc? (AR 420-90, Under the F&ESORI format)

2098 OBSERVATION:

2099 CORRECTIVE ACTION:

2100 PTS: 5/____ (14) Are grid maps (aircraft search and rescue maps) used by the fire department and

2101 maintained in the Emergency Dispatch Center, of appropriate scale identical to those used by the air

2102 traffic control tower, police units, ambulances, aircraft rescue fire fighting (ARFF) and senior fire officer

2103 (SFO) vehicles? (AR 385-95)

2104 OBSERVATION:

2105 CORRECTIVE ACTION:

2106 PTS: 10/____ (15) Are current post utility maps available in the command and control vehicles? (AR 420-

2107 90)

2108 (2 Pts ea. for (a), (b), & (d) and 4 Pts for (c))

2109 (a) Sewage/storm drains

2110 (b) Electrical

2111 (c) Water/hydrants

2112 (d) Gas (natural or propane)

2113 OBSERVATION:

2114 CORRECTIVE ACTION:

2115 PTS: 10/____ (16) Are out of service fire alarm systems being properly reported and is prompt action

2116 being taken to correct the deficiencies? (AR 420-90, NFPA 1221, para 2-1.11)

2117 OBSERVATION:

2118 CORRECTIVE ACTION:

2119 PTS: 5/____ (17) Are sufficient portable radios with spare batteries, available for communication? (AR

2120 420-90, Under F&ESORI format)

2121 OBSERVATION:

2122 CORRECTIVE ACTION:

2123 PTS: 5/____ (18) Are on-board intercom communication systems installed on all apparatus with radio

2124 interface? (AR 420-90, para 1-21c)

2125 OBSERVATION:

2126 CORRECTIVE ACTION:

2127 **Department of the Army**

2128 **Fire and Emergency Services Operational**

2129 **Readiness Inspection (F&ES ORI)**

2130

2131 **5. FUNCTION: Fire Prevention Program & Fire Protection Engineering**

2132

2133 POINTS POSSIBLE: a. Fire Prevention: 115

2134

2135 b. Fire Protection Engineering: 155

2136 TOTAL 270

2137 TOTAL POINTS AWARDED: _____

2138 PERCENTAGE: _____

2139 a. **Fire Prevention**

2140

2141 Measurement Methods: 115 PTS AWD_____

2142

2143 SUBJECT/ACTIVITY: Program Effectiveness (Population Training, Facility Training, Facility Inspection,

2144 Hot Work Permits).

2145 PTS: 10/____ (1) Has the Installation/Garrison Commander (Fire Chief) established a comprehensive fire

2146 prevention program? (NFPA Standard 1, Fire Prevention Code, AR 420-90, para 6-1)

2147 OBSERVATION:

2148 CORRECTIVE ACTION:

2149 PTS: 10/____ (2) Is an effective organization or activity building manager and evacuation monitor

2150 program established? (AR 420-90, para 6-3)

2151 OBSERVATION:

2152 CORRECTIVE ACTION:

2153 PTS: 10/____ (3) Are fire prevention inspectors DOD certified? (AR 420-90 & DODI 6055.6)

2154 OBSERVATION:

2155 CORRECTIVE ACTION:

2156 PTS: 10/____ (4) Are employees in places of public assembly receiving periodic fire prevention and

2157 emergency evacuation training? (DODI 6055.6)

2158 OBSERVATION:

2159 CORRECTIVE ACTION:

2160 PTS: 5/____ (5) Is a procedure established that identifies the date of the last inspection, date next

2161 inspection is due, and if any hazard/deficiency inspections are outstanding? (Automated system)

2162 OBSERVATION:

2163 CORRECTIVE ACTION:

2164 PTS: 10/____ (6) Do qualified fire department personnel review all project plans and specifications for

2165 technical adequacy of fire protection features? Are comments maintained until projects are satisfactorily

2166 completed? (AR 420-90, para 6-9)

2167 OBSERVATION:

2168 CORRECTION ACTION:

2169 PTS: 5/____ (7) Is a DA Form 5382-R or automated generated form used to inform the functional

2170 manager of fire hazards or deficiencies noted during inspections? (AR 420-90, para 6-6b)

2171 OBSERVATION:

2172 CORRECTIVE ACTION

2173 PTS: 5/____ (8) Do facility folders contain building inspection, DA Form 5381-R or automated generated

2174 inspection report, for the last inspection performed and for any other inspections during the current year?

2175 (AR 420-90, para 6-6a)

2176 OBSERVATION:

2177 CORRECTIVE ACTION:

2178 PTS: 20/____ (9) Are facility inspection frequencies established by the Fire Chief, documented, and being

2179 met? (AR 420-90, para 6-6a and DODI 6055.6)

2180 OBSERVATION:

2181 CORRECTIVE ACTION:

2182 PTS: 10/____ (10) Does the building manager serve as the evacuation coordinator? Does this

2183 individual execute fire prevention measures in assigned facilities and provide written reports to the fire

2184 chief including inspections and emergency evacuation plans? (AR 420-90, para 6-3)

2185 OBSERVATION:

2186 CORRECTIVE ACTION:

2187 PTS: 5/____ (11) Does the installation fire chief or designated representative monitor self help projects

2188 and contractor operations on all maintenance and repair, construction? (AR420-90, para 6-5)

2189 OBSERVATION:

2190 CORRECTIVE ACTION:

2191 PTS: 10/____ (12) Are all welding, cutting, and brazing operations approved by the fire & emergency
2192 services organization? Was a Hot-work permit issued? (AR 420-90, para 6-6d)

2193 OBSERVATION:

2194 CORRECTIVE ACTION:

2195 PTS: 5/____ (13) Are there enough required administrative vehicles for the Fire Prevention Division?
2196 (DODI 6055.6)

2197 OBSERVATION:

2198 CORRECTIVE ACTION:

2199 **b. Fire Protection Engineering**

2200 Measurement Methods: 155 PTS AWD____

2201 SUBJECT/ACTIVITY: Program Effectiveness (References, Project Review, Deficiency Correction
2202 Program, Fire Protection and Detection System Requirements and Maintenance Program, Fire
2203 Extinguishers, and Fire Hydrant Testing and Maintenance).

2204 PTS: 5/____ (1) Does the Fire Department and Department of Public Works (organization responsible for
2205 construction and building repair/maintenance) have current or electronic copies of UFC code, Fire
2206 Protection for Facilities Engineering, Design and Construction, and NFPA Codes & Standards? (AR 420-
2207 90, para 6-7)

2208 OBSERVATION:

2209 CORRECTIVE ACTION:

2210 PTS: 15/____ (2) Does the installation project office provides the fire department copies of all project
2211 plans and specifications for review? (AR 420-90, para 6-9a)

2212 OBSERVATION:

2213 CORRECTIVE ACTION:

2214 PTS: 10/____ (3) Are the fire protection deficiencies identified, rated by degree of hazard, programmed or
2215 scheduled for correction and followed through until corrected, through the FPDC program? (AR 420-90,
2216 para 6-10)

2217 OBSERVATION:

2218 CORRECTIVE ACTION:

2219 PTS: 10/____ (4) Do automatic data processing resources (ADPR), including automatic data processing
2220 equipment (ADPE) meet fire protection standards as outlined in UFC 3-600-01? (AR 420-90, para 6-7)
2221 OBSERVATION:
2222 CORRECTIVE ACTION:
2223 PTS: 15/____ (5) Are hardwired smoke detection systems installed in buildings where required? (AR
2224 420-90, para 6-11)
2225 OBSERVATION:
2226 CORRECTIVE ACTION:
2227 PTS: 15/____ (6) Are hardwired smoke detectors properly located in family housing units and are they
2228 inter-connected where required? (AR 420-90, para 6-11b)
2229 OBSERVATION:
2230 CORRECTIVE ACTION:
2231 PTS: 5/____ (7) Is residential sprinkler protection being installed and/or programmed IAW NFPA 13, 13D,
2232 13R, Installation of Sprinkler Systems, and UFC 3-600-01? (AR 420-90, para 6-11b)
2233 OBSERVATION:
2234 CORRECTIVE ACTION:
2235 PTS: 20/____ (8) Are maintenance, inspection, and testing of fire protection systems being performed per
2236 UFC 3-600-02, Operations and Maintenance: Inspection, Testing, and Maintenance of Fire Protection
2237 Systems? (AR 420-90, para 6-11d)
2238 OBSERVATION:
2239 CORRECTIVE ACTION:
2240 PTS: 10/____ (9) Are impaired sprinkler systems or other fire protection systems given highest priority for
2241 full restoration to service? (AR 420-90, para 6-11e)
2242 OBSERVATION:
2243 CORRECTIVE ACTION:
2244 PTS: 5/____ (10) Has the installation commander developed and implemented an Ozone Depleting
2245 Chemicals (ODC) Management Plan as it relates to Halon Fire Fighting agents? (AR 420-90, para 6-12)
2246 OBSERVATION:
2247 CORRECTIVE ACTION:

2248 PTS: 5/____ (11) Are fire extinguishers distributed IAW NFPA 10, Fire Extinguishers? (AR 420-90, para
2249 6-13a)
2250 OBSERVATION:
2251 CORRECTIVE ACTION:
2252 PTS: 10/____ (12) Are fire extinguishers being properly maintained? (NFPA 10)
2253 OBSERVATION:
2254 CORRECTIVE ACTION:
2255 PTS: 10/____ (13) Are flow tests being performed on all installation hydrants and documented on an
2256 automated system or DA Form 5384-R (Water Flow Test)? (AR 420-90, 6-14a)
2257 OBSERVATION:
2258 CORRECTIVE ACTION:
2259 PTS: 10/____ (14) Are hydrant maintenance and inspections conducted? (AR 420-90, para 6-11d)
2260 OBSERVATION:
2261 CORRECTIVE ACTION:
2262 PTS: 10/____ (15) Are out-of-service (OOS) fire hydrants being fixed in a timely manner? (AR 420-90,
2263 para 6-14c)
2264 OBSERVATION:
2265 CORRECTIVE ACTION:

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2267
2268

Department of the Army
Fire and Emergency Services Operational
Readiness Inspection (F&ES ORI)

2269 6. FUNCTION: **Hazardous Materials (HAZMAT), Weapons of Mass Destruction (WMD), & Chemical,**
2270 **Biological, Radiological, Nuclear, & High Yield Explosive (CBRNE) Requirements**

2271 POINTS POSSIBLE: 210

2272 POINTS AWARDED: ____

2273 PERCENTAGE: ____

2274 SUBJECT/ACTIVITY: Program Effectiveness (Response Plans, Standard Operating Procedures (SOP)
2275 or Standard Operating Guidelines (SOG), Mutual-Aid, Reference Manuals, Response Capability,
2276 Personal Protective Equipment, Detection Equipment, and Training).

2277 PTS: 10/____ (1) Is the Fire Chief designated as a member of the Force Protection Committee (FPC)?

2278 Does the Fire Chief have a copy of the Installation Force Protection Plan (FPP)? Does the FPP outline
2279 specific roles for the Fire Department in WMD/Antiterrorist (AT) incidents?

2280 OBSERVATION:

2281 CORRECTIVE ACTION:

2282 PTS: 10/____ (2) Do response plans cover the Incident Management System, personnel accountability,
2283 rest and rehabilitation, ignition sources, control zones (hot, warm, cold), communications, and monitoring
2284 equipment?

2285 OBSERVATION:

2286 CORRECTIVE ACTION:

2287 PTS: 10/____ (3) Has Mutual Aid been incorporated into the WMD response plan?

2288 OBSERVATION:

2289 CORRECTIVE ACTION:

2290 PTS: 10/____ (4) Are there published Plans and SOPs available (Installation, Emergency Services,
2291 agency specific) that cover HAZMAT and WMD? Do they comply with regulatory guidance? (OSHA
2292 29CFR 1910 120, DODO, DA regulations, NFPA requirements)

2293 OBSERVATION:

2294 CORRECTIVE ACTION:

2295 PTS: 10/____ (5) Has Incident Response Planning been accomplished? Are HAZMAT Plans available
2296 for all major HAZMAT vulnerability areas on the installation? Have the proper mitigation procedures been
2297 established for the types of HAZMAT Incidents anticipated on the installation?
2298 OBSERVATION:
2299 CORRECTIVE ACTION:
2300 PTS: 10/____ (6) Do the plans identify proper setup procedures for positioning upwind, scene isolation,
2301 and establishment of hot, warm, and cold zones. Is decontamination area, rehabilitation area, medical
2302 monitoring and similar scene-required operational considerations in the plan?
2303 OBSERVATION:
2304 CORRECTIVE ACTION:
2305 PTS: 10/____ (7) Has the Fire Department been made aware of emergency shelter locations and
2306 availability. (#of shelters, locations, size and routes to shelter)
2307 OBSERVATION:
2308 CORRECTIVE ACTION:
2309 PTS: 10/____ (8) Does the fire department have all the required HAZMAT reference material to confirm
2310 proper response actions? Is this material current? Are response personnel knowledgeable in its use?
2311 OBSERVATION:
2312 CORRECTIVE ACTION:
2313 PTS: 10/____ (9) Have response levels above the capability of the installation fire department been
2314 established to assist in the mitigation of the Incident? (Mutual Aid, National)
2315 OBSERVATION:
2316 CORRECTIVE ACTION:
2317 PTS: 10/____ (10) What Installation response capability has been established? (Awareness, Operations,
2318 Technician, Incident Commander) Is the proper number of people assigned and trained to this level?
2319 OBSERVATION:
2320 CORRECTIVE ACTION:
2321 PTS: 10/____ (11) Is all of the correct PPE available for the level of response anticipated? Is it tested
2322 and documented as required? (Respiratory protection, chemical protective clothing, thermal protection,
2323 etc.)? Are all levels of protection available? (Levels A, B, C, D)

2324 OBSERVATION:

2325 CORRECTIVE ACTION:

2326 PTS: 10/____ (12) Is adequate intervention and mitigation equipment provided or available for the level of
2327 response that installation Fire and Emergency Services Personnel are required to perform? This may
2328 include, but is not limited to, diking and damming materials, absorbent pads and pourables, neutralizers,
2329 field test kits, monitoring equipment, protective clothing and related items, gloves, boots and
2330 overprotective items.

2331 OBSERVATION:

2332 CORRECTIVE ACTION:

2333 PTS: 10/____ (13) Are sufficient Self-Contained Breathing Apparatus (SCBA), of one-hour duration,
2334 available for use by Fire and Emergency Services personnel.

2335 OBSERVATION:

2336 CORRECTIVE ACTION:

2337 PTS: 10/____ (14) Have decontamination procedures been developed? (formal, expedient, mass,
2338 emergency)

2339 OBSERVATION:

2340 CORRECTIVE ACTION:

2341 PTS: 10/____ (15) Are pre-entrance, and post entry medical monitoring procedures established? Are
2342 post-incident medical monitoring procedures established?

2343 OBSERVATION:

2344 CORRECTIVE ACTION:

2345 PTS: 10/____ (16) Is there sufficient manpower available on the Installation or through (4)Mutual Aid to
2346 mitigate HAZMAT Incidents on the Installation? (minimum of 15)

2347 OBSERVATION:

2348 CORRECTIVE ACTION:

2349 PTS: 10/____ (17) Has all required HAZMAT and WMD training been established, and has this training
2350 been accomplished? Do all team members comply with OSHA and DOD Certification requirements for
2351 HAZMAT training?

2352 OBSERVATION:

2353 CORRECTIVE ACTION:

2354 PTS: 10/____ (18) Are sufficient HAZMAT and WMD detection devices available? Is it in service, and is it
2355 tested, maintained and documented according to the manufacturer's instructions? Have other sources for
2356 NBC agent detection been identified and to what extent are they available?

2357 OBSERVATION:

2358 CORRECTIVE ACTION:

2359 PTS: 10/____ (19) Are adequate vehicles available to store and move equipment to the Incident scene?

2360 OBSERVATION:

2361 CORRECTIVE ACTION:

2362 PTS: 10/____ (20) Are adequate communications systems available to assist in the mitigation of the
2363 incident? (Throat and ear microphones, PTT, etc)

2364 OBSERVATION:

2365 CORRECTIVE ACTION:

2366 PTS: 10/____ (21) Is there adequate storage available for HAZMAT/WMD equipment. (Temperature
2367 controlled)

2368 OBSERVATION:

2369 CORRECTIVE ACTION:

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**Department of the Army
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2373 7. FUNCTION: **Wildland Fire Program**

2374 POINTS POSSIBLE: 130

2375 POINTS AWARDED: ____

2376 PERCENTAGE: ____

2377 SUBJECT/ACTIVITY: Program Effectiveness (Management, Training, Personal Protective Equipment).

2378 PTS: 10/____ (1) Has an installation wildland fire program manager been designated?

2379 OBSERVATION:

2380 CORRECTIVE ACTION:

2381 PTS: 10/____ (2) Has an integrated wildland fire management plan been approved?

2382 OBSERVATION:

2383 CORRECTIVE ACTION:

2384 PTS: 10/____ (3) Does the installation wildland fire program manager review and approve burn plans for

2385 prescribed fires?

2386 OBSERVATION:

2387 CORRECTIVE ACTION:

2388 PTS: 10/____ (4) Are National wildfire coordinating group organizational standards incorporated into the

2389 organizational structure for wildland fire activities.

2390 OBSERVATION:

2391 CORRECTIVE ACTION:

2392 PTS: 10/____ (5) Are all personnel involved in wildland fire management possess certifications appropriate

2393 for their expected level of involvement in the wildland fire organization?

2394 OBSERVATION:

2395 CORRECTIVE ACTION:

2396 PTS: 10/____ (6) Are all personnel participating in wildland fire management activities on properties not

2397 under DOD jurisdiction, either through mutual aid agreements or other means, certified for the expected

2398 level of involvement under the NWCG (national wildfire coordinating group standards) ?

2399 OBSERVATION:

2400 CORRECTIVE ACTION:

2401 PTS: 10/____ (7) Do position descriptions for new hires reflect expected level of involvement in wildland
2402 fire activities and state the required certifications.

2403 OBSERVATION:

2404 CORRECTIVE ACTION:

2405 PTS: 10/____ (8) Does the installation integrated wildland fire management plan describe a measurable
2406 and objective test that establishes physical fitness standards for personnel that participate in wildland fire
2407 management activities?

2408 OBSERVATION:

2409 CORRECTIVE ACTION:

2410 PTS: 10/____ (9) Does the installation integrated wildland fire management plan meet all the
2411 requirements of the Army Wildland Fire policy Guidance? (AR 420-90, para 2-1a(7))

2412 OBSERVATION:

2413 CORRECTIVE ACTION:

2414 PTS: 10/____ (10) Are site specific burn plans being developed for each prescribed burn conducted on
2415 the installation?

2416 OBSERVATION:

2417 CORRECTIVE ACTION:

2418 PTS: 10/____ (11) Have all personnel involved with wildland fire activities been issued personal
2419 protective equipment that meets NWCG standards?

2420 OBSERVATION:

2421 CORRECTIVE ACTION:

2422 PTS: 10/____ (12) Do records indicate all initial and annual training requirements for positions are being
2423 met per NWCG requirements?

2424 OBSERVATION:

2425 CORRECTIVE ACTION:

2426 PTS: 10/____ (13) Does equipment and apparatus meet the needs and requirements of the installation?

2427 OBSERVATION:

2428 CORRECTIVE ACTION:

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2431

**Department of the Army
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2432 8. FUNCTION: **Emergency Medical Services (EMS)**

2433 POINTS POSSIBLE: 70

2434 POINTS AWARDED: ____

2435 PERCENTAGE: ____

2436 SUBJECT/ACTIVITY: Program Effectiveness (Staffing, Certification, Protocols, Equipment, and Quality
2437 Assurance)

2438 PTS: 10/____ (1) Are EMS positions staffed properly, transportation separate from Engine company
2439 staffing (not cross staffed off another company). Is the first responding apparatus staffed with qualified
2440 personnel?

2441 OBSERVATION:

2442 CORRECTIVE ACTION:

2443 PTS: 10/____ (2) Are personnel in positions responsible for EMS patient care maintaining all required
2444 certifications (minimum State or NREMT certification and Basic life support)?

2445 OBSERVATION:

2446 CORRECTIVE ACTION:

2447 PTS: 10/____ (3) Does the F&ES have an actively involved EMS physician advisor?

2448 OBSERVATION:

2449 CORRECTIVE ACTION:

2450 PTS: 10/____ (4) Are current and complete medical protocols in effect?

2451 OBSERVATION:

2452 CORRECTIVE ACTION:

2453 PTS: 10/____ (5) Is current infectious control policy in effect, with annual review?

2454 OBSERVATION:

2455 CORRECTIVE ACTION:

2456 PTS: 10/____ (6) Does the F&ES have adequate, well maintained patient care equipment to include
2457 Automated External Defibrillator (AED) on every first responding piece of apparatus?

2458 OBSERVATION:

2459 CORRECTIVE ACTION:

2460 PTS: 10/____ (7) Is there a reliable and accurate patient care reporting /documentation system in place,
2461 either hard copy or automated, that meets national, state, or local standard? Is a quality assurance (QA)
2462 process in place?

2463 OBSERVATION:

2464 CORRECTIVE ACTION:

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**Department of the Army
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9. FUNCTION: **Rescue Operations**

POINTS POSSIBLE: 30

POINTS AWARDED: _____

PERCENTAGE: _____

SUBJECT/ACTIVITY: Program Effectiveness (Training, Policy/Procedures, and Equipment Maintenance).

PTS: 10/____ (1) Does the training and qualifications meet applicable NFPA, FEMA and OSHA standard for the services offered (confined space, rope, US&R, Water etc.)

OBSERVATION:

CORRECTIVE ACTION:

PTS: 10/____ (2) Are written policies or guidelines in place for each rescue service provided?

OBSERVATION:

CORRECTIVE ACTION:

PTS: 10/____ (3) Are critical life safety equipment and supplies properly maintained and documented?

OBSERVATION:

CORRECTIVE ACTION:

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2485
2486

**Department of the Army
Fire and Emergency Services Operational
Readiness Inspection (F&ES ORI)**

2487 10. FUNCTION: **Fire Fighting Exercises**

2488 POINTS POSSIBLE: 300 (For installations without ARFF Fire Companies, the total points will be 100
2489 points)

2490 a. Structural Training Drill: 100

2491 b. ARFF Egress Drill: 100

2492 c. ARFF Fire Drill: 100

2493

2494 POINTS AWARDED:

2495 a. _____

2496 b. _____

2497 c. _____

2498 Total _____

2499 PERCENTAGE: _____

2500 SUBJECT/ACTIVITY: Performance Standards for Fire Fighting Exercises (Structural, ARFF). The

2501 exercises will be conducted by both shifts and, as a minimum; fire protection personnel must demonstrate
2502 proficiency in all the following areas:

2503 a. Structural **Fire Fighting Exercises:** A no notice structural exercise will be conducted and
2504 where able, this will be a live fire exercise. As a minimum, fire protection personnel and the EDC operator
2505 must demonstrate proficiency in the following areas:

2506 Measurement Methods: 100 PTS/AWD _____

2507 PTS: 3/ ____ (1) Did the Emergency Dispatch Center (EDC) operator proficiently receive, record, and

2508 transmit the alarm? Did the operator provide a geographical location and other pertinent data, as

2509 needed, in support of the emergency at hand (pre-incident plan, etc.)? Did the operator utilize checklists

2510 to accomplish all tasks? (NFPA 1061)

2511 OBSERVATION:

2512 CORRECTIVE ACTION:

2513 PTS: 3/ ____ (2) Did adequate equipment and personnel respond in a direct and practical route? Did all
2514 firefighting crews respond in a safe and professional manner? Was response of personnel and equipment
2515 in accordance with pre-incident plans? (NFPA 1620, Chapter 7)

2516 OBSERVATION:

2517 CORRECTIVE ACTION:

2518 PTS: 8/ ____ (3) Did the Senior Fire Official (SFO) establish a fire ground operation command post from
2519 which to observe and direct fire protection resources and actions? Was the Incident Command System
2520 established? Did the SFO maintain control of fire protection forces (redirection, if necessary)? Did the
2521 SFO utilize a checklist to assist him/her to ensure all appropriate actions were accomplished? Was
2522 accountability maintained? NFPA 1500, Chapter 6 and 1561, Chapter 2)

2523 OBSERVATION:

2524 CORRECTIVE ACTION:

2525 PTS: 3/ ____ (4) Was clear and concise communication established between the Incident Commander
2526 (IC) and subordinate supervisors on the scene utilizing vehicle public address systems, portable radios,
2527 voice halers, hand signals and/or runners? (NFPA 1500, Chapter 6, and 1561, Chapters 2 and 4)

2528 OBSERVATION:

2529 CORRECTIVE ACTION:

2530 PTS: 6/ ____ (5) Was the initial size-up of the simulated fire adequate, i.e., vehicle positioning, most
2531 logical facility entrance used, protection of exposures, correct hose lay for the scenario, etc.?

2532 OBSERVATION:

2533 CORRECTIVE ACTION:

2534 PTS: 15/ ____ (6) Were quick-attack procedures utilized and was sufficient fire hose removed to reach
2535 the most remote point of the expected or probable fire area and endangered exposures without undue
2536 delay? (NFPA 1901, Paragraph 3-8.1)

2537 OBSERVATION:

2538 CORRECTIVE ACTION:

2539 PTS: 8/ ____ (7) Did the supply line layout and hydrant provide the necessary flow to adequately supply
2540 the requirements of the evolution? Were flows obtained without major interruptions? Did pump operators
2541 demonstrate proper pump operating procedures and were they knowledgeable of procedures for

2542 determining correct pump pressure to support hose line, standpipe, and sprinkler operations? (NFPA
2543 1410, and 1002, Chapter 3)
2544 OBSERVATION:
2545 CORRECTIVE ACTION:
2546 PTS: 15/ ____ (8) Were the proper numbers of firefighters assigned to operate hose lines to ensure safety
2547 for all personnel involved? Were two-in/two-out procedures followed? Was RIT Team properly
2548 established? (NFPA 1410)
2549 OBSERVATION:
2550 CORRECTIVE ACTION:
2551 PTS: 15/ ____ (9) Did all personnel working in the fire environment wear all of their Personal Protective
2552 Equipment? (Bunkers, SCBA, protective hood, PASS, etc.) (NFPA 1500, Chapter 5)
2553 OBSERVATION:
2554 CORRECTIVE ACTION:
2555 PTS: 8/ ____ (10) Was a logical and systematic building search conducted by the rescue team (lifelines
2556 used, if appropriate)? Did fire fighters display proper forcible entry, ventilation, and laddering
2557 procedures? (NFPA 1001, Chapter 3)
2558 OBSERVATION:
2559 CORRECTIVE ACTION:
2560 PTS: 8/ ____ (11) Were proper emergency first aid procedures involving CPR, smoke inhalation, shock,
2561 and burns performed?
2562 OBSERVATION:
2563 CORRECTIVE ACTION:
2564 PTS: 8/ ____ (12) Was an adequate post-drill critique conducted? Were training errors adequately
2565 identified and discussed? Were positive aspects of the exercise identified and discussed? Was the
2566 training session meaningful, and was department capability enhanced?
2567 OBSERVATION:
2568 CORRECTIVE ACTION:

2569 **b. Aircraft Rescue Fire Fighting (ARFF) Egress Training Drill:** A no notice aircraft crash
2570 rescue egress exercise will be conducted, and, as a minimum, fire protection personnel must
2571 demonstrate proficiency in the following areas:
2572 Measurement Methods: 100 PTS/AWD_____
2573 PTS:3/ ____ (1) Did the Control Tower properly disseminate all information to the airfield crash station.
2574 and did the person receiving the information pass it on properly to the company officer? (NFPA 403,
2575 Chapter 5)
2576 OBSERVATION:
2577 CORRECTIVE ACTION:
2578 PTS: 3/ ____ (2) Did the EDC operator proficiently receive, record and transmit the alarm? Did the
2579 operator provide a geographical location and other pertinent data as needed in support of the emergency
2580 at hand? Did the operator utilize checklists to accomplish all tasks? (NFPA 1061)
2581 OBSERVATION:
2582 CORRECTIVE ACTION:
2583 PTS: 3/ ____ (3) Did all firefighting crews respond in a safe and professional manner? Did adequate
2584 equipment and personnel respond in a direct and practical route? (NFPA 402, Chapters 2 and 8)
2585 OBSERVATION:
2586 CORRECTIVE ACTION:
2587 PTS: 10/ ____ (4) Did the Senior Fire Official (SFO) establish a fire ground operation command post from
2588 which to observe and direct fire protection resources and actions? Was the Incident Command System
2589 established? Did the SFO maintain control of fire protection forces (redirection if necessary)? Did the
2590 SFO utilize checklists to assist him/her to ensure all appropriate actions were accomplished? (NFPA
2591 1500, Chapter 6 and 1561, Chapter 2)
2592 OBSERVATION:
2593 CORRECTIVE ACTION:
2594 PTS: 3/ ____ (5) Was clear and concise communication established between the Incident Commander
2595 (IC) and subordinate supervisors on the scene utilizing vehicle public address systems, portable radios,
2596 voice hailers, hand signals and/or runners? (NFPA 1500, Chapter 6 and 1561, Chapters 2 and 4)
2597 OBSERVATION:

2598 CORRECTIVE ACTION:

2599 PTS: 20/ ____ (6) Did all personnel working in the fire environment wear all of their Personal Protective

2600 Equipment? (Bunkers, SCBA, protective hood, PASS, etc.) (NFPA 1500, Chapter 5)

2601 OBSERVATION:

2602 CORRECTIVE ACTION:

2603 PTS: 5/ ____ (7) Were tools and equipment available at the site of the aircraft as required (cutting tools,

2604 rescue tool, pry bars, etc.)? (NFPA 1003, Section 3-4)

2605 OBSERVATION:

2606 CORRECTIVE ACTION:

2607 PTS: 20/ ____ (8) Were pre-incident plans followed and were personnel assigned duties to ensure the

2608 following: (NFPA 402, Chapter 7)

2609 a. Were turrets deployed and fire pumps engaged prior to initial

2610 positioning? Were hand lines laid to cover rescue crew and

2611 extinguishment of the fire, where applicable.

2612 b. Quick and proper entry into the aircraft?

2613 c. Correctly shutting down engine(s) and battery disconnect, where

2614 applicable?

2615 d. Proper safety of ejection system for both crew hatch and seats, where applicable?

2616 e. Sequential release of crew member restraints (life support, survival

2617 kit harness, belts)?

2618 OBSERVATION:

2619 CORRECTIVE ACTION:

2620 PTS: 12/ ____ (9) Were response personnel proficient in all entry methods, engine(s) shutdown,

2621 door/hatch operation, etc.? Were rescue personnel knowledgeable in passenger removal procedures (if

2622 required)?

2623 OBSERVATION:

2624 CORRECTIVE ACTION:

2625 PTS: 5/ ____ (10) Was the SFO knowledgeable of the dimensions of the aircraft, fuel capacities in gallons

2626 and pounds and suggested skin penetration insertion points?

2627 OBSERVATION:

2628 CORRECTIVE ACTION:

2629 PTS: 8/ ____ (11) Were proper emergency first aid procedures involving CPR, smoke inhalation, shock,
2630 and burns performed?

2631 OBSERVATION:

2632 CORRECTIVE ACTION:

2633 PTS: 8 ____ (12) Was an adequate post-drill critique conducted? Were training errors adequately
2634 identified and discussed? Were positive aspects of the exercise identified and discussed? Was the
2635 training session meaningful and was department capability enhanced?

2636 OBSERVATION:

2637 CORRECTIVE ACTION:

2638 c. **Live ARFF Training Drill:** A Live-Fire training exercise will be conducted by an operational
2639 shift of the Fire Protection Organization.

2640 Measurement Methods: 100 PTS/AWD ____

2641 PTS: 14/ ____ (1) Live-Fire Training Exercise pre-drill briefing will be evaluated on the following areas:
2642 (NFPA 1403, Chapter 6)

2643 Training objective, participating vehicles and individuals, realistic scenario, type aircraft, alarm
2644 receipt and dissemination, dispatch of equipment, response, wind direction, Command and Control, size-
2645 up, approach, and positioning, AFFF application and extinguishment techniques, fire attack, rescue
2646 procedures to include aircraft entry, engine shutdown procedures, aircrew and passenger removal, re-
2647 supply at the scene and rapid re-servicing procedures, communications, withdrawal procedures, fuel
2648 spillage, safety, SCBA, protective clothing, and overhaul. Presentation will also be evaluated on
2649 presentation and technical content, training aids used, and class participation.

2650 OBSERVATION:

2651 CORRECTIVE ACTION:

2652 PTS: 3/ ____ (2) Were the proper training aids used? (IFSTA Aircraft Rescue and Firefighting, Air Force
2653 TO 00-105E-9, and chalk board for supplementing the lesson plan.)

2654 OBSERVATION:

2655 CORRECTIVE ACTION:

2656 PTS: 8/ ____ (3) Did the Senior Fire Official (SFO) establish a fire ground operation command post from
2657 which to observe and direct fire protection resources and actions? Was the Incident Command System
2658 established? Did the SFO maintain control of fire protection forces (redirection if necessary)? Did the
2659 SFO utilize checklists to assist him/her to ensure all appropriate actions were accomplished? (NFPA
2660 1500, Chapter 6 and 1561, Chapter 2)

2661 OBSERVATION:

2662 CORRECTIVE ACTION:

2663 PTS: 3/ ____ (4) Was clear and concise communication established between the Incident Commander
2664 (IC) and subordinate supervisors on the scene utilizing vehicle public address systems, portable radios,
2665 voice hailers, hand signals and/or runners? (NFPA 1500, Chapter 6 and 1561, Chapters 2 and 4)

2666 OBSERVATION:

2667 CORRECTIVE ACTION:

2668 PTS: 20/ ____ (5) Did all personnel working in the fire environment wear all of their Personal Protective
2669 Equipment? (Bunkers, SCBA, protective hood, PASS, etc.) (NFPA 1500, Chapter 5)

2670 OBSERVATION:

2671 CORRECTIVE ACTION:

2672 PTS: 3/ ____ (6) Were tools and equipment available at the site of the aircraft as required (cutting tools,
2673 rescue tool, pry bars, etc.)? (NFPA 1003, Section 3-4)

2674 OBSERVATION:

2675 CORRECTIVE ACTION:

2676 PTS: 10/ ____ (7) Size-up, Approach, Positioning. Were size-up, approach, and positioning of equipment
2677 correct and realistic? Was the wind used for advantage? Was the rescue side covered first? Were
2678 vehicle pumps engaged and up to proper operating RPM's prior to positioning? Were all turrets deployed
2679 and used when within range for exterior fires? Were hand lines deployed and effectively utilized, (if
2680 required) for fires inaccessible to turrets?

2681 OBSERVATION:

2682 CORRECTIVE ACTION:

2683 PTS: 10/ ____ (8) Was AFFF properly applied? Were AFFF application techniques effective? Was agent
2684 wasted?

2685 OBSERVATION:

2686 CORRECTIVE ACTION:

2687 PTS: 5/ ____ (9) Was re-supply of foam and water to designated vehicles or quick-re-servicing operation

2688 demonstrated? (NFPA 402, Chapter 8)

2689 OBSERVATION:

2690 CORRECTIVE ACTION:

2691 PTS: 8/ ____ (10) Was a simulated rescue performed immediately after extinguishing procedures were

2692 initiated? Did all fire fighters use proper protective clothing and equipment including SCBA's and Nomex

2693 flash hoods? Were crash/fire/rescue vehicles operators knowledgeable of their equipment capabilities

2694 and limitations?

2695 OBSERVATION:

2696 CORRECTIVE ACTION:

2697 PTS: 8/ ____ (11) Were proper emergency first aid procedures involving CPR, smoke inhalation, shock,

2698 and burns performed?

2699 OBSERVATION:

2700 CORRECTIVE ACTION:

2701 PTS: 8/ ____ (12) Was an adequate post-drill critique conducted? Were training errors adequately

2702 identified and discussed? Were positive aspects of the exercise identified and discussed? Was the

2703 training session meaningful, and was department capability enhanced?

2704 OBSERVATION:

2705 CORRECTIVE ACTION:

2706
2707
2708

**DEPARTMENT OF THE ARMY
FIRE AND EMERGENCY SERVICES OPERATIONAL
READINESS INSPECTION**

2709	SECTION	POSSIBLE PTS	SCORED PTS
2710	FIRE DEPARTMENTS WITH <u>STRUCTURAL, ARFF, & FIRE PREVENTION</u> MISSION:		
2711	1. F&ES Admin. & Management	175	_____
2712			
2713	2. Training	190	_____
2714	3. Communications	75	_____
2715	4. F&ES Operations	155	_____
2716	5. Fire Prevention Program & Fire Protection Engineering	270	_____
2717	a. Fire Prevention	115	_____
2718	b. Fire Protection Engineering	155	_____
2719	6. HAZMAT, WMD, & CBRNE Requirements	210	_____
2720	7. Wildland Fire Program	130	_____
2721	8. Emergency Medical Services (EMS)	70	_____
2722	9. Rescue Operations	30	_____
2723	10. Fire Fighting Exercises	300	_____
2724	Structural Training Drill	100	_____
2725	ARFF/Egress Drill	100	_____
	ARFF Fire Drill	100	_____
2726	TOTAL	300	
2727	GRAND TOTAL	1605	_____
2728	OVERALL PERCENTAGE RATING	<u> % </u>	

2729 **Percentage points** are obtained by dividing the total **POSSIBLE** points into the total **SCORED** points.

2730
2731

**Conversion Table for Installation
Status Report (ISR) Standards Based on *Functional Checklists***

2732	ISR Ratings/Standards:	Green	Amber	Red
2733	Equivalent F&ES Score:	90% or more	70-89%	69% or less

2734
2735
2736

**DEPARTMENT OF THE ARMY
FIRE AND EMERGENCY SERVICES OPERATIONAL
READINESS INSPECTION**

2737	SECTION	POSSIBLE PTS	SCORED PTS
2738	FIRE DEPARTMENTS WITH <u>STRUCTURAL & FIRE PREVENTION</u> MISSION:		
2739	1. F&ES Admin. & Management	175	_____
2740			
2741	2. Training	190	_____
2742	3. Communications	75	_____
2743	4. F&ES Operations	155	_____
2744	5. Fire Prevention Program & Fire Protection Engineering	270	_____
2745	a. Fire Prevention	115	_____
2746	b. Fire Protection Engineering	155	_____
2747	6. HAZMAT, WMD, & CBRNE Requirements	210	_____
2748	7. Wildland Fire Program	130	_____
2749	8. Emergency Medical Services (EMS)	70	_____
2750	9. Rescue Operations	30	_____
2751	10. Fire Fighting Exercises	100	_____
2752	Structural Training Drill <u>100</u>		_____
2753	GRAND TOTAL	1,405	_____
2754	OVERALL PERCENTAGE RATING	<u> % </u>	

2755 **Percentage points** are obtained by dividing the total **POSSIBLE** points into the total **SCORED** points.

2756 **Conversion Table for Installation**
2757 **Status Report (ISR) Standards Based on Functional Checklists**

2758	ISR Ratings/Standards:	Green	Amber	Red
2759	Equivalent F&ES Score:	90% or more	70-89%	69% or less

2760 **Appendix D**

2761 The Baseline Standard Operating Guides and/or Standard Operating Procedures as described below is a
2762 suggested List of SOG's and/or SOP's that should be developed and issued by Installation/Garrison Fire
2763 Chiefs.

2764 **Baseline Standard Operating Guides and/or Standard Operating Procedures**

2765 **Suggested List of SOG's and/or SOP's that should be developed**

2766 **and issued by Installation Fire Chiefs**

- 2767 1. Minimum Staffing levels and contingency plan relative required overtime to maintain same.
- 2768 2. Driver training and certification program.
- 2769 3. Firefighter safety policies and procedures to include:
- 2770 4. Self Contained Breathing Apparatus
- 2771 5. Personal Alert System (PASS) device use
- 2772 6. Two in – Two out (OSHA) compliance
- 2773 7. Personal protective gear use, maintenance and replacement
- 2774 8. Fire-ground Personnel Accountability procedures
- 2775 9. Radio Communications, both emergency and non emergency operations
- 2776 10. OSHA 29 CFR regulations as applicable such as Confined Space, Lockout/Tagout, Blood Bourne
- 2777 Pathogens, and others
- 2778 11. Call back procedure for manpower and staffing emergencies
- 2779 12. Installation Spill Control and Recovery Plan
- 2780 13. Hazardous Materials Response Plan (for level of response trained).
- 2781 14. Emergency Medical Services Program
- 2782 15. Fire Prevention Regulation (Local adaptation of NFC or Installation regulation)
- 2783 16. Annual, Sick and LWOP policy
- 2784 17. Overtime policy
- 2785 18. Uniform (dress code) policy
- 2786 19. Fire Investigation
- 2787 20. Mutual Aid/ Automatic Aid Agreements
- 2788 21. Physical Training

- 2789 22. Medical Procedures and Monitoring
- 2790 23. Bargaining Unit Procedures and Agreements (Contractual)
- 2791 24. Vehicle Maintenance and Inspection
- 2792 25. Fit Testing of personal SCBA face pieces
- 2793 26. Air sample testing and operation of recharging equipment
- 2794 27. Job/Position descriptions for all positions within Fire Department
- 2795 28. Inclement weather procedures
- 2796 29. Disaster contingency plans for Force Protection Program
- 2797 30. Fire Prevention Inspection Schedule (Inspectors/ Fire Company or both)
- 2798 31. Any specialized response capability that is unique to the area or installation
- 2799 32. Maternity or Family Leave
- 2800 Note: This is not a complete listing of SOG'SOP's that can be developed or may be required. The intent
- 2801 is only to provide the inspecting authority with a baseline for reference.

2802 **Appendix E**

2803 **E-1 Sample Mutual Agreements for United States/CONUS and Foreign/OCONUS.**

2804 Mutual and Automatic Aid agreements will be formally documented. Sample Mutual Aid Agreements are
2805 shown in Figure E-1, Mutual Aid Agreements (US) and Figure E-2, Mutual Aid Agreements (Foreign)
2806 below.

2807 **DEPARTMENT OF THE ARMY**

2808 **MUTUAL AID AGREEMENT (US)**

2809 **(SAMPLE)**

2810 This agreement, entered into this ... day of ... 20XX., between the Secretary of the Army acting according to the
2811 authority of section 1856a, title 42, United States Code and (name of fire department) is to secure for each the
2812 benefits of mutual aid in fire prevention, the protection of life and property from fire, and firefighting. It is agreed that

2813 a. On request to a representative of the (installation) Fire Department by a representative of the (name of fire
2814 department), firefighting equipment and personnel of the (installation) Fire Department will be dispatched when
2815 available to any point within the area for which the (name of fire department) normally provides fire protection as
2816 designated by the representative of the (name of fire department).

2817 b. On request to a representative of the (name of fire department) by a representative of the (installation) Fire
2818 Department, firefighting equipment and personnel of the (name of fire department) will be dispatched when
2819 available to any point within the firefighting jurisdiction of the (installation) Fire Department.

2820 c. The rendering of assistance under the terms of this agreement shall not be mandatory, but the party receiving
2821 the request for assistance should immediately inform the requesting department if, for any reason, assistance
2822 cannot be rendered.

2823 d. Any dispatch of equipment and personnel pursuant to this agreement is subject to the following conditions:

2824 (1) Any request for aid under this agreement will specify the location to which the equipment and personnel
2825 are to be dispatched; however, the amount and type of equipment and number of personnel to be furnished
2826 will be determined by a representative of the responding organization.

2827 (2) The responding organization will report to the officer in charge of the requesting organization at the
2828 location to which the equipment is dispatched, and will be subject to the orders of the official.

2829 (3) A responding organization will be released by the requesting organization when the services of the
2830 responding organization are no longer required, or when the responding organization is needed within the
2831 area for which it normally provides fire protection.

2832 (4) If a crash of aircraft owned or operated by the United States or military aircraft of any foreign nation
2833 occurs within the area for which the (name of fire department) normally provides fire protection, the Chief of
2834 the (installation) Fire Department or his or her representative may assume full command on arrival at the
2835 scene of the crash.

2836 e. Each party hereby waives all claims against every other party for compensation for any loss, damage, injury or
2837 death occurring as a consequence of the performance of this agreement except those claims authorized under
2838 15 U.S.C. 2210.

2839 f. The chief fire officers and personnel of the fire departments of both parties to this agreement are invited and
2840 encouraged, on a reciprocal basis, to frequently visit each other's activities for guided familiarization tours
2841 consistent with local security requirements and, as feasible, to jointly conduct prefire planning inspections and
2842 drills.

2843 g. The technical heads of the fire departments of the parties to this agreement are authorized and directed to
2844 meet and draft any detailed plans and procedures of operation necessary to effectively implement this
2845 agreement. Such plans and procedures of operations shall become effective upon ratification by the signatory
2846 parties.

2847 h. All equipment used by (name of fire department) in carrying out this agreement will be owned by the (name of
2848 fire department); and all personnel acting for (name of fire department) under this agreement will be an employee
2849 or volunteer member of (name of fire department).

2850 1. This agreement shall become effective upon the date hereof and remain in full force and effect until
2851 cancelled by mutual agreement of the parties hereto or by written notice by one party to the other party,
2852 giving thirty (30) days notice of said cancellation.

2853 For (fire organization) (Title)

2854 For the Secretary of the Army (Commander)

2855 Figure E-1. Department of the Army Mutual Aid Agreement (US)

DEPARTMENT OF THE ARMY
MUTUAL AID AGREEMENT (FOREIGN)
(SAMPLE)

This agreement, entered into this ... day of ... 20XX, between the Secretary of the Army acting according to the authority of section 1856a, title 42, United States Code and *(name of fire department)* is to secure for each the benefits of mutual aid in fire prevention, the protection of life and property from fire, and firefighting. It is agreed that

a. On request to a representative of the *(installation)* Fire Department by a representative of the *(name of fire department)*, firefighting equipment and personnel of the *(installation)* Fire Department will be dispatched, when available, to any point within the area for which the *(name of fire department)* normally provides fire protection as designated by the representative of the *(name of fire department)*.

b. On request to a representative of the *(name of fire department)* by a representative of the *(installation)* Fire Department, firefighting equipment and personnel of the *(name of fire department)* will be dispatched, when available, to any point within the firefighting jurisdiction of the *(installation)* Fire Department.

c. The rendering of assistance under the terms of this agreement shall not be mandatory, but the party receiving the request for assistance should immediately inform the requesting department if, for any reason, assistance cannot be rendered.

d. Any dispatch of equipment and personnel pursuant to this agreement is subject to the following conditions:

(1) Any request for aid under this agreement will specify the location to which the equipment and personnel are to be dispatched; however, the amount and type of equipment and number of personnel to be furnished will be determined by a representative of the responding organization.

(2) The responding organization will report to the officer in charge of the requesting organization when the services of the responding organization are needed within the area for which it normally provides fire protection.

(3) A responding organization will be released by the requesting organization when the services of the responding organization are no longer required, or when the responding organization is needed within the area for which it normally provides fire protection.

(4) If a crash of aircraft owned or operated by the United States or military aircraft of any foreign nation occurs within the area for which the *(name of fire department)* normally provides fire protection, the chief of the *(installation)* Fire Department or his or her representative may assume full command on arrival at the scene of the crash.

2886 e. Each party hereby waives all claims against every other party for compensation for any loss, damage, injury or
2887 death occurring as a consequence of the performance of this agreement except those claims authorized under
2888 15 U.S.C. 2210.

2889 f. The chief fire officers and personnel of the fire departments of both parties to this agreement are invited and
2890 encouraged, on a reciprocal basis, to frequently visit each other's activities for guided familiarization tours
2891 consistent with local security requirements and, as feasible, to jointly conduct prefire planning inspections and
2892 drills.

2893 g. The technical heads of the fire departments of the parties to this agreement are authorized and directed to
2894 meet and draft any detailed plans and procedures of operation necessary to effectively implement this
2895 agreement. Such plans and procedures of operations shall become effective upon ratification by the signatory
2896 parties.

2897 h. All equipment used by (name of fire *department*) in carrying out this agreement will, at the time of action
2898 hereunder , be owned by it; and all personnel acting for (name of fire *department*) under this agreement will, at
2899 the time of such action, be an employee or volunteer member of (name of fire *department*).

2900 i. This agreement shall become effective upon the date hereof and remain in full force and effect until cancelled
2901 by mutual agreement of the parties hereto or by written notice by one party to the other party, giving thirty
2902 (30)days notice of said cancellation.

2903 j. The foregoing does not affect, and will not be interpreted as affecting in any way, relevant provisions of the
2904 Status of Forces Agreement (SOFA).

2905 For (fire *organization*) (Title)

2906 For the Secretary of the Army (Commander)

2907 Figure E-2. Department of the Army Mutual Aid Agreement (Foreign)

2909	Glossary
2910	Section I
2911	Abbreviations
2912	AAFES
2913	Army and Air Force Exchange Service
2914	ACSIM
2915	Assistant Chief of Staff for Installation Management
2916	ADAAG
2917	Americans with Disabilities Act Accessibility Guidelines
2918	AFFF
2919	aqueous film forming foam
2920	AFRC
2921	Armed Forces Reserve Center
2922	AOSH
2923	Army Occupational Safety and Health
2924	AR
2925	Army regulation
2926	ARFF
2927	Aircraft Rescue Fire Fighting
2928	ARNG
2929	Army Reserve National Guard
2930	ASA(I&E)
2931	Assistant Secretary of the Army (Installations and Environment)

2932 **AWCF**

2933 Army Working Capital Funds

2934 **AWFPG**

2935 Army Wildland Fire Policy Guidance

2936 **BC**

2937 Designation for Class B and Class C fires

2938 **BRAC**

2939 Base Realignment and Closure

2940 **CBRNE**

2941 Chemical, Biological, Radiological, Nuclear and High-yield Explosives

2942 **CDC**

2943 Child Development Center

2944 **CHEM**

2945 Chemical Program

2946 **CFR**

2947 Code of Federal Regulations

2948 **CIR**

2949 Critical Investigative Report

2950 **CLS**

2951 Common Level Support

2952 **COCO**

2953 Contractor-owned, contractor-operated

2954 **CONUS**

2955 The contiguous continental United States and Alaska, Hawaii, and Puerto Rico.

2956 **COR**

2957 Contracting officer's representative

2958 **CTA**

2959 common table of allowances

2960	DA
2961	Department of the Army
2962	DD
2963	Department of Defense
2964	DESC
2965	Defense Environmental Security Council
2966	DES
2967	Directorate of Emergency Services
2968	DF&ES
2969	Director/Directorate of Fire & Emergency Services
2970	DGSC
2971	Defense General Supply Center
2972	DHP
2973	Defense Health Program
2974	DIS
2975	Director/Directorate of Installation Support
2976	DLA
2977	Defense Logistics Agency
2978	DOD
2979	Department of Defense
2980	DODI
2981	Department of Defense Instruction
2982	DOT
2983	Department of Transportation
2984	DPS
2985	Director/Directorate of Public Safety
2986	DPW
2987	Director/Directorate of Public Works

As of:3/14/2005

2988	DSHE
2989	Director/Directorate of Safety, Health and Environment
2990	EMS
2991	Emergency Medical Services
2992	EMT
2993	Emergency Medical Technician
2994	EO
2995	Executive Order
2996	EPA
2997	Environmental Protection Agency
2998	EPCRA
2999	Emergency Planning and Community Right-To-Know Act
3000	EQL
3001	Equivalent Level of Protection
3002	FAA
3003	Federal Aviation Administration
3004	FAD
3005	Force activity designator
3006	F&ES
3007	Fire & Emergency Services
3008	FIRMS
3009	Fire Information Resource Management System
3010	FM
3011	Factory Mutual
3012	FOA
3013	Field Operating Agency
3014	FOIA
3015	Freedom of Information Act

3016	GAO
3017	Government Accountability Office
3018	GOCO
3019	Government-owned, contractor-operated
3020	GSA
3021	General Services Administration
3022	GWOT
3023	Global War on Terrorism
3024	HAZMAT
3025	Hazardous materials
3026	HQDA
3027	Headquarters Department of Army
3028	IAFC
3029	International Association of Fire Chiefs
3030	ICMA
3031	International City Managers Association
3032	IFSTA
3033	International Fire Service Training Association
3034	IMA
3035	Installation Management Agency
3036	IPD
3037	Issue priority designator
3038	ISSA
3039	Inter Service Support Agreement
3040	JCAHO
3041	Joint Commission on Accreditation of Healthcare Organizations
3042	MACI
3043	Military Adaptation of Commercial Item

3044	MACOM
3045	major Army command
3046	MEDCOM
3047	Medical Command
3048	MIL-HDBK
3049	military handbook
3050	MILSTRIP
3051	Military Standard Requisitioning and Issue Procedures
3052	MIS
3053	Management Information System
3054	MOA
3055	Memorandum of Agreement
3056	MOS
3057	Military Occupational Series
3058	MTOE
3059	Modified Tables of Organization and Equipment
3060	NAF
3061	Nonappropriated Fund
3062	NFPA
3063	National Fire Protection Association
3064	NFIRS
3065	National Fire Incident Reporting System
3066	NGB
3067	National Guard Bureau
3068	NTV
3069	Nontactical Vehicle
3070	OACSIM
3071	Office of the Assistant Chief of Staff for Installation Management

3072 **OCAR**

3073 Office of the Chief, Army Reserve

3074 **OCONUS**

3075 Facilities under U.S. control outside the contiguous continental United States and Alaska, Hawaii, and

3076 Puerto Rico. Specifically, U.S. bases in Sovereign foreign countries, or other U.S. possessions.

3077 **ODC**

3078 Ozone Depleting Chemicals

3079 **OMA**

3080 Operations and Maintenance Army

3081 **OPA**

3082 Other Procurement Army

3083 **OPM**

3084 Office of Personnel Management

3085 **ORI**

3086 Operational Readiness Inspection

3087 **OSD**

3088 Office of the Secretary of Defense

3089 **OSHA**

3090 Occupational Safety and Health Administration

3091 **OTAG**

3092 Office of the Adjutant General

3093 **PA**

3094 Procurement Appropriation funds

3095 **PASS**

3096 Personal Alert Safety Systems

3097 **PL**

3098 Public Law

3099	PMCS
3100	Preventive Maintenance Checks and Services
3101	POL
3102	petroleum, oils, and lubricants
3103	POM
3104	Program Objective Memorandum
3105	PPA
3106	Pollution Prevention Act
3107	PPBERS
3108	Planning, Programming, Budgeting, Execution and Review System
3109	RA
3110	Risk Assessment
3111	RCS
3112	Report Control Symbol
3113	RDT&E
3114	Research, Development, Test, & Evaluation funds
3115	SB
3116	supply bulletin
3117	SCBA
3118	Self contained breathing apparatus
3119	SIR
3120	Safety Investigative Report
3121	SFO
3122	Senior fire officer
3123	SMC
3124	Senior Mission commander

3125 **SNAP**

3126 Significant New Alternatives Policy

3127 **SOFA**

3128 status of forces agreement

3129 **SOW**

3130 Statements of Work

3131 **SSP**

3132 Service Support Programs

3133 **STRAP**

3134 Strategic Plan

3135 **TAG**

3136 the Army guidance

3137 **TB**

3138 technical bulletin

3139 **TDA**

3140 Table of distribution and allowances

3141 **TM**

3142 Technical manual

3143 **TO**

3144 Technical order

3145 **TWCF**

3146 Transportation Working Capital Funds

3147 **UFAS**

3148 Uniform Federal Accessibility Standards

3149 **UL**

3150 Underwriter's Laboratories

3151 **UPH**

3152 Unaccompanied Personnel Housing

3153 **USACE**

3154 U.S. Army Corps of Engineers

3155 **USACIC**

3156 United States Army Criminal Investigation Command

3157 **USACPW**

3158 U.S. Army Center for Public Works

3159 **USARC**

3160 U.S. Army Reserve Center

3161 **USC**

3162 United States Code

3163 **Section II**

3164 **Terms**

3165 **Active Fire Protection System**

3166 Automatic detection, alarm and suppression systems.

3167 **Addition or Expansion**

3168 A change to a real property facility that adds to its overall external dimension.

3169 **Aerospace**

3170 Of or relating to the science or technology of flight.

3171 **Alteration**

3172 A change to interior or exterior facility arrangements to improve its current purpose. This includes installed

3173 equipment made a part of the existing facility. Additions, expansions, and extensions are not alterations.

3174 **Authority Having Jurisdiction (AHJ)**

3175 The organization, office, or individual responsible for approving equipment, an installation or a procedure.

3176 The commanding officer or departmental official may be the AHJ at government installations.

3177 **Base Realignment and Closure (BRAC)**

3178 A program mandated by law (see PL 100-526, Defense Authorization Amendments and Base Closure &

3179 Realignment Act and PL 101-510, Defense Base Closure and Realignment Act of 1990), that

3180 consolidates defense activities at fewer installations, while disposing of those no longer essential to
3181 national defense.

3182 **Base/Installation Emergency Preparedness Officer**

3183 This official establishes and maintains Disaster Preparedness Plans per NFPA 1600, Recommended
3184 Practices for Disaster Management (in coordination with adjoining, local, civil jurisdictions).

3185 **Biological Materials**

3186 Those organisms that have a pathogenic effect to life and the environment and can exist in normal ambient
3187 environments. Examples of biological hazards would include those requiring an Etiologic Agent label on
3188 packaging, such as for toxins or microorganisms that cause disease (cholera, tetanus, botulism). Disease-
3189 causing organisms might be found in waste from hospitals, laboratories, and research institutions.

3190 **Cardiovascular**

3191 Relating to, or involving the heart and the blood vessels.

3192 **Caretaker Status**

3193 Installation not needed for production. Retention efforts include maintaining the property only to the extent
3194 necessary to offset serious deterioration, operation of utilities as may be necessary for fire protection,
3195 repairs necessary to maintain property, environment and land management. Modified caretaker status may
3196 occur in active or inactive installations. (see 41 CFR 101.47.401 et. seq.).

3197 **Chemical Materials**

3198 Those materials that pose a hazard based upon their chemical and physical properties. Examination of the
3199 U.S. Department of Transportation list of hazard classes indicates that most of the classes would fall under
3200 the chemical hazard type of material. The effect of exposure to chemical hazards can be either acute or
3201 chronic.

3202 **Concurrent Legislative Jurisdiction**

3203 This term is applied in those instances wherein, in granting to the United States authority which would
3204 otherwise amount to exclusive legislative jurisdiction over an area, the State concerned has reserved to
3205 itself the right to exercise, concurrently with the United States, all of the same authority.

3206 **Confined Space**

3207 A space with limited or restricted means of entry and exit; not meant for human occupancy; and may
3208 contain a hazardous atmosphere (oxygen deficiency or enrichment, flammable or explosive, toxic, physical
3209 hazards). In short, a space in which because of its construction, location, contents or work activity therein,
3210 the accumulation of a hazardous gas, vapor, dust or fume, or the creation of an oxygen deficiency
3211 atmosphere may occur.

3212 **Construction**

3213 The erection, installation, or assembly of a new facility. The addition, expansion, extension, alteration,
3214 conversion, or replacement of an existing facility. Installed equipment made a part of the facility, related
3215 site preparation, excavation, filling, landscaping, or other land improvements.

3216 **Conversion**

3217 A change to interior or exterior facility arrangements so that the facility may be used for a new purpose.
3218 This includes installed equipment made a part of the existing facility. Results in a change of facility
3219 category code.

3220 **Cross-staffing**

3221 A structural or ARFF fire fighting crew, cross trained and used on other F&ES apparatus without any
3222 increase in staffing. For example, a structural fire fighting crew may cross staff HAZMAT, or Rescue
3223 apparatus.

3224 **Defense Logistic Agency (DLA) Reserve**

3225 The quantity of ODCs to be maintained and managed by DLA for meeting wartime (combat) and
3226 operational requirements until acceptable non-ODC substitutes are evaluated, qualified and their use
3227 implemented within weapon systems and facilities.

3228 **Disaster Preparedness**

3229 Disaster planning programs covering response to natural and man-made disasters and operational
3230 procedures for sustained emergency operations.

3231 **Fire Fighter Certification System Lesson Plans**

3232 Detailed lesson outlines covering certification levels that are keyed to the Career Development Courses
3233 (CDCs) obtained from the Extension Course Institute (ECI) at Maxwell AFB, Alabama. The applicant must
3234 pass the practical (performance) skills test as well as the CDC written test to be certified at that level.

3235 **Emergency Medical Services (EMS)**

3236 Emergency medical response programs staffed with appropriately certified emergency medical personnel
3237 and personnel.

3238 **Equivalent Level of Protection (ELP)**

3239 Systems, methods, or devices of equivalent or superior quality strength, fire resistance, effectiveness,
3240 durability, and safety, provided technical documentation is submitted to the AHJ to demonstrate
3241 equivalency, and the system, method, or device are approved for the intended purpose.

3242 **Exclusive Legislative Jurisdiction**

3243 This term is applied when the Federal Government possesses, by whatever method acquired, all of the
3244 authority of the State, and in which the State concerned has not reserved to itself the right to exercise any
3245 of the authority concurrently with the United States except the right to serve civil or criminal process in the
3246 area relative to activities which occurred outside the area. This term is applicable even though the State
3247 may exercise certain authority over the land pursuant to the authority granted by Congress in several
3248 Federal Statutes permitting the State to do so.

3249 **Expansion**

3250 A change to a real property facility that adds to its overall external dimension.

3251 **F&ES Risk Assessment**

3252 An analytical, comprehensive, evaluation of F&ES based on mission criticality, life safety, monetary value,
3253 and facility deficiencies.

3254 **Field Operating Agency (FOA)**

3255 Technical support agency for an ARSTAF element. For example, USACPW is FOA for HQDA (ACSIM),
3256 supporting the DPW/DEH organizations.

3257 **Fire & Emergency Services**

3258 Fire fighting, fire prevention and emergency services. Emergency services include (1) structural, (2)
3259 aircraft rescue fire fighting (ARFF), (3) HAZMAT, (4) emergency medical service (EMS) responses, and
3260 disaster preparedness plans.

3261 **Fire Detection System**

3262 An automatic fire alarm system consisting of devices that initiate an alarm without any action on the part of
3263 people. The automatic devices sense some symptom or product of a fire such as heat, smoke, infrared or
3264 ultraviolet radiation, or water flow in a sprinkler system.

3265 **Fire Loading**

3266 Represent the potential fuel available to a fire. When the building is combustible, the building itself is part
3267 of the fire load. The weight of the fuel is multiplied by the caloric value and divided by the floor area, to
3268 arrive at Btu/sq. Ft, the measure of the fire load.

3269 **Fire Risk Management Surveys**

3270 Inspections conducted per DODI 6055.1, DOD Safety and Occupational Health (SOH) Program. The
3271 frequency of surveys will be based on occupancy hazard, known fire loading, and mission criticality.

3272 **Fire Suppression system**

3273 An automatic system consisting of devices that apply various extinguishing agents (water, foam, dry and
3274 wet chemical, gaseous) on a fire without any action on the part of people and usually arranged to transmit
3275 an alarm to a fire communication center.

3276 **Force Activity Designator (FAD)**

3277 A Roman Numeral (I to V) assigned to the Secretary of Defense, the JCS, or A Component to indicate the
3278 mission essentiality of a unit, organization, installation project or program to meet national objectives.

3279 **Hazardous Waste**

3280 EPA uses the term hazardous wastes for chemicals that are regulated under the Resource, Conservation
3281 and Recovery Act (40 CFR Part 261.33). Hazardous wastes in transportation are regulated by DOT (49
3282 CFR Parts 170-179).

3283 **HAZMAT**

3284 A material or substance in a quantity or form that, when not properly controlled or contained, may pose an
3285 unreasonable risk to health, safety, property, and the environment, is of such a nature as to require
3286 implementation of special control procedures supplementing standard departmental procedures, and may
3287 require the use of specialized equipment and reference material. For the purpose of this plan, hazardous
3288 material, hazardous substance, dangerous material, and dangerous chemical are synonymous.

3289 **Installation Commander/Garrison Commander (IC/GC)**

3290 Senior Army Leadership designates the IC. The IC is usually the senior commander residing on the
3291 Installation or in the surrounding community. The IC is responsible for mission activity services. The IC
3292 may be appointed as General Courts Martial convening authority for the Installation and its support
3293 area/GC is a military officer, Lieutenant Colonel or Colonel, selected by the Department of the Army. GC
3294 commands the garrison and is responsible for day to day operations to maintain living and working
3295 conditions for all personnel on the installation and is the lead for base support operations management for
3296 the Senior Mission Commander. The GC also provides continuity of installation command during mission
3297 activity deployments. The GC may be appointed as Summary Court Martial convening authority or the
3298 Special Courts Martial convening authority for the installation and its support area. In some cases, the
3299 senior IMA official on an installation may be a civilian, the Garrison Manager. A Garrison Manager (the
3300 civilian equivalent of a Garrison Commander) has the same responsibility and authority as the military
3301 counterpart with the exception of Uniform Code of Military Justice and command authority.

3302 **Interactive Multimedia**

3303 Use of realistic video, still photos, computer graphics and sounds linked together, using 486 or Pentium
3304 microcomputers.

3305 **International Fire Service Accreditation Congress (IFSAC)**

3306 A peer driven organization, located at Oklahoma State University that accredits state, provincial, and
3307 federal government fire service training certification programs. IFSAC Board of Governors accredited the
3308 Fire Fighter Certification Program on 1 May 1993.

3309 **Issue Priority Designator (IPD)**

3310 The numeric entry that consists of a two-position code of Arabic numerals, made by combining the Force
3311 Activity Designator (FAD) and the Urgency of Need Designator (UND).

3312 **Laidaway**

3313 Facilities retained and maintained in a high state of readiness in support of emergency replenishment
3314 planning requirements.

3315 **Maintenance**

3316 The work required to preserve and maintain a real property facility in such a condition that it may be
3317 effectively used for its designated functional purpose. Maintenance includes work done to prevent damage
3318 that would be more costly to restore than to prevent. It also includes work to sustain components.

3319 **Memorandum of Agreement (MOA)**

3320 Formal agreement detailing specific functions performed for and by the signing agencies.

3321 **Military Adaptation of Commercial Item (MACI)**

3322 A multi-role (aircraft, building and brush), on or off the road, C130 and C141 air transportable, 1000 gpm,
3323 660 gallon water tank, fire fighting vehicle.

3324 **Mission critical**

3325 Direct impact on combat mission capability and are integral to combat mission assets or affect operability
3326 of these assets.

3327 **Mutual aid**

3328 A non-binding, no cost, F&ES agreement signed by the installation commander and equivalent authority
3329 (ies) offering unspecified fire department assistance, if available.

3330 **Non-standard Fire Fighting Equipment**

3331 Other than those listed under standard fire fighting equipment term.

3332 **Nuclear Materials**

3333 Nuclear materials (upon impact or detonation of the high explosive) become dispersed as finely divided
3334 particles or, if a fire occurs, as oxides. These particles, or oxides, are alpha emitters. Unlike the beta or
3335 gamma radiation in the fallout of a nuclear explosion, alpha radiation has a very short range and lacks the
3336 ability to penetrate the skin.

3337 **ODCs (Ozone Depleting Chemicals)**

3338 ODCs are halogenated hydrocarbons characterized by combinations of Chlorine, Fluorine, Bromine,
3339 Iodine (halogen atoms), Hydrogen and Carbon. ODCs are generally characterized by three numbering
3340 system designations, CFCs, halons, and HCFCs. ODCs display a propensity to destroy ozone molecules
3341 under certain environmental conditions. ODCs have been identified, characterized and ranked for ozone
3342 depletion potential (ODP). The Montreal Protocol and the Clean Air Act contain listings of ODCs. Class I
3343 and Class II ODCs are identified in the Clean Air Act. Class I ODCs have higher ozone depletion
3344 potentials.

3345 **P-19**

3346 A U.S. Air Force, 1000 gallon water tank, 1000 gpm pump, ARFF vehicle used for large helicopter and
3347 fixed winged aircraft.

3348 **Partial Legislative Jurisdiction**

3349 This term is applied in those instances where the Federal Government has been granted, for exercise by it
3350 over an area in a State, certain of the State's authority, but where the State concerned has reserved to
3351 itself the right to exercise, by itself or concurrently with the United States, other authority constituting more
3352 than merely the right to serve civil and criminal process in the area attributable to actions outside the area.
3353 For example, the United States is considered to have partial legislative jurisdiction where the State has
3354 reserved the additional right to tax private property.

3355 **Passive Fire Protection System**

3356 System designed to confine fire and smoke in zones, a concept called compartmentation. Special attention
3357 is given to protection of the building's structural integrity and the spaces through which occupants will
3358 move to safety.

3359 **Pathogens**

3360 An agent that causes disease, especially, a microorganism such as a bacterium or fungus.

3361 **Personal Alert Safety Systems (PASS)**

3362 A device complying with NFPA Standard 1982, Personal Alert Safety Systems (PASS) for Fire Fighters.
3363 PASS monitor fire fighter motion and signal an audible alarm when motion is undetected for more than 30
3364 seconds. The fire fighter can also actuate the audible alarm if he or she needs assistance.

3365 **Planning, Programming, Budgeting, Execution and Review System (PPBERS)**

3366 An integrated system that establishes, maintains, and revises the Five Year Defense Program and the
3367 budget.

3368 **Program Objective Memorandum (POM)**

3369 A formal document submitted to OSD containing the Army proposals for resource allocation in consonance
3370 with program guidance. The POM describes all aspects of Army programs to increase the operational
3371 readiness of the total Army. It highlights forces, personnel, and material acquisition. It also addresses the
3372 equipment distribution and logistics support required to meet the strategy and objectives specified by the
3373 Secretary of Defense.

3374 **Radioactive Materials**

3375 Also known as Radiological Material, it is any material or combination of materials that spontaneously
3376 emits ionizing radiation and has a specific gravity greater than 0.002 micro curies per gram. U.S. DOT lists
3377 three classes of radioactive materials, with Class I being the least harmful. Packaging requirements for
3378 radioactive materials will vary depending on the varying hazard potentials presented by the material itself.
3379 The three types of harmful radiation emitted by radioactive materials are alpha, beta, and gamma.

3380 **Real Property Facility**

3381 A separate building, structure, utility system, or improvement.

3382 **Reclaim/Recovery/Recycle**

3383 Reclaimed material is obtained by processing used material and extracting useful constituents. Common
3384 usage is to" reclaim "solvents. Recovered material is that which is removed from an existing system and
3385 placed in another container. Additional processing may be required prior to reuse. Recycled material is
3386 removed from an existing system and processed to bring its quality up to a minimum standard that is
3387 available for any application for which the material meets the system requirement.

3388 **Repair**

3389 The restoration of a real property facility to such a condition that it may be effectively used for its
3390 designated purpose. Repair may be overhaul, reprocessing, or replacement of deteriorated components'
3391 parts or materials. Correction of deficiencies in failed or failing components or existing facilities or systems
3392 to meet current Army standards and codes where such work, for reasons of economy, should be done

3393 concurrently with restoration of failed or failing components. Repair work may involve incidental increases
3394 in qualities or capacities.

3395 **Significant New Alternative Policy (SNAP)**

3396 Under the Clean Air Act, Title VI, Section 612 the U.S. Environmental Protection Agency (EPA) was
3397 directed to establish a program to help identify new chemicals and processes as alternatives to ozone-
3398 depleting chemicals. The” SNAP “list contains chemicals and processes that have been tested in specific
3399 applications and have been approved for use in that application by the EPA. Army policy requires that
3400 chemicals and processes being introduced into the Army system as alternatives to ODCs be listed by
3401 SNAP and receive an independent toxicity clearance approved by the Office of the Surgeon General.

3402 **Standard Fire Fighting Equipment**

3403 Includes: LIN H56391, MACI; LIN X45095, P-19; LIN X44701, 1000 GPM Pumper; and LIN X39426,
3404 Twinned Agent ARFF.

3405 **Standby**

3406 Applies to equipment.

3407 **TDA**

3408 Tables of Distribution and Allowances are authorization documents for non-combat, non-deployable units.
3409 Each document is unique for a particular unit (predominantly general support units) or organization.

3410 **Technical Services**

3411 Fire risk management surveys, installed detection and suppression system inspections, construction
3412 program monitoring, fire prevention educational programs and extinguisher services.

3413 **The Army Plan (TAP)**

3414 The TAP provides a definitive basis for program action. DCSOPS prepares the TAP in coordination with
3415 the ARSTAF and major commands. It implements the decision by the Chief of Staff and Secretary of the
3416 Army as to the desired alternative for the objective force, discusses the threat and military strategy, and
3417 lays out what the Army wants to do in support of the mission and how it will build the objective force.

3418 **TOE**

3419 Tables of Organizations and Equipment are requirements guides for” type “units, usually deployable
3420 combat units, i.e., infantry, artillery or armor battalions.

3421 **Water Mist**

3422 Fine water droplets (less than 100 microns) having a high heat transfer rate, produced by special nozzles
3423 using either high pressure or a separate gas component to eject the water from the nozzle in small
3424 droplets.

3425 **Section III**

3426 **Special Abbreviations and Terms**

3427 **This section contains no entries**