

**Memorandum dated March 20, 2014, from Hanscom AFB Fire  
Chief to BED airport manager regarding Hanscom AFM FD  
Compliance with Part 139 Standards**

**ERA14MA271**



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 66TH AIR BASE GROUP  
HANSCOM AIR FORCE BASE MASSACHUSETTS

20 Mar 2014

MEMORANDUM FOR MASSACHUSETTS PORT AUTHORITY, L. G. HANSCOM FIELD  
ATTENTION: SHARON WILLIAMS, AIRPORT DIRECTOR

FROM: 66 ABG/CE  
120 Grenier Street  
Hanscom AFB, MA 01731

SUBJECT: Certification of Department of Defense (DoD) Aircraft Rescue and Fire Fighting  
(ARFF) Capability, Hanscom AFB, MA

1. This memorandum is provided to document that the Hanscom AFB Fire Department meets the requirements for all ARFF in accordance with Department of Defense Instruction (DoDI) 6055.06, *Fire & Emergency Services Program*.
2. The following documentation is provided to substantiate ARFF training and vehicle response capability:

- a. Completed Civil Airport ARFF Operations Checklist (Attachment 1):

DATE: January 2014

- b. Date and overall rating of last external inspection:

DATE: June 2013

INSPECTING AGENCY: HQ AFMC/IG

EXPLAIN THE CORRECTIVE ACTIONS TAKEN FOR ANY IDENTIFIED DEFICIENCIES THAT AFFECT ARFF CAPABILITY AVAILABLE TO RESPOND TO CIVIL AIRCRAFT EMERGENCIES: ARFF vehicle were not tested in accordance with NFPA standards 1911, paras 18.7.7.7 & 20.3

National Fire Protection Association (NFPA) directed foam proportioning system test methods were not used due to environmental issues related to the discharge of foam resulting in non-availability of a suitable discharge area. *An approved alternate testing method was used.*

Corrective action: Both ARFF vehicles were tested using the refractometer test method specified in the NFPA standard.

*Note: Inspection reports are for official use only; a copy of the report cannot be provided.*

- c. ARFF Vehicle Report (Attachment 2).
- d. DoD ARFF Training Summary for DoD firefighters assigned to Civil ARFF duties (Attachment 3).
- e. Average response time to aircraft emergencies for the previous 90 days.

For the period 1 January 2014 to 21 March 2014 the average response time to ARFF emergencies was 2 response > less than 3 minute and 100 % compliant with DoD requirements.

3. I certify the HANSCOM AFB FIRE DEPARTMENT meets all DoD ARFF requirements. If you have any questions, please contact Chief Robert Hildreth at [REDACTED]

[REDACTED]  
THOMAS J. SCHLUCKEBIER, P.E., CFM, LEED AP  
Base Civil Engineer

3 Attachments:

- 1. Civil Airport ARFF Operations Checklist
- 2. ARFF Vehicle Report
- 3. DoD ARFF Training Summary

Received  
29 JAN 2019

**Department of Defense Fire and Emergency Services  
Civil Airport ARFF Operations Checklist**

§ 139 Reference	Inspection Requirements	Met
319(a)	<p><b>ARFF CAPABILITY MEETING INDEX PROVIDED DURING ACR OPNS</b></p> <p>The DoD F&amp;ES organization provides the ARFF Vehicle Report which identifies the DoD vehicles assigned above the normal Airport Index requirement. The certificate holder uses this information to determine the Index the F&amp;ES organization can meet.</p>	YES
319(b)	<p><b>ARFF REQUIREMENTS MET FOR INCREASE IN INDEX</b></p> <p>The DoD F&amp;ES fire chief provides the ARFF Vehicle Report which identifies the DoD vehicles that will respond to civil aircraft emergencies and their capability. The certificate holder uses this information to determine the Index the DoD F&amp;ES organization can support.</p>	YES
319(c) & (d)	<p><b>REDUCTION IN ARFF INDEX MEETS CONDITIONS</b></p> <p>The DoD F&amp;ES fire chief notifies the certificate holder when any changes occur to the vehicles in the ARFF Vehicle Report. The certificate holder takes any action required when ARFF capability drop below the requirements required meeting the Airport Index.</p>	YES
319(e)	<p><b>VEHICLE COMMUNICATION IN REQUIRED VEHICLES</b></p> <p>The DoD F&amp;ES organizations provides all emergency communication and equipment to comply with NFPA 1221, <i>Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems</i>, to include the use of two-way communication between ARFF vehicles and other required Airfield Operations.</p>	YES
319(f)	<p><b>VEHICLE MARKING AND LIGHTING</b></p> <p>NON APPLICABLE. DOD VEHICLES ARE NOT PURCHASED WITH AIP FUNDS</p>	N/A
319(g)	<p><b>VEHICLE READINESS</b></p> <p>Each vehicle required under Airport Index must be maintained and be operational during all air carrier operations. The vehicle status' are provided in the ARFF Vehicle Report (Attachment 2)</p>	YES
319(h)	<p><b>RESPONSE DRILL</b></p> <p><b>NO RESPONSE EXERCISE WILL BE CONDUCTED.</b> The FAA has accepted the Response Time criteria in DODI 6055.06 as being equivalent to Part 139 requirements. DoD F&amp;ES will demonstrate compliance with DoD response time standards by providing a response time report annually (Jan) and prior to each FAA inspection, containing the ARFF response time for the previous 90-days. An example of this report is at Attachment 4).</p>	YES
319(i)1	<p><b>PERSONNEL PROPERLY EQUIPPED</b></p> <p>DoD requires that all rescue and firefighting personnel are equipped in a manner authorized by the DoD with protective clothing and equipment needed to perform their duties. These requirements are based on National Fire Protection Association standards.</p>	YES
319(i)2	<p><b>PERSONNEL PROPERLY TRAINED</b></p> <p>All rescue and firefighting personnel required by Airport Index are properly trained to perform their duties. DoD F&amp;ES will provide a DOD ARFF Training Summary (example at Attachment 3) with the last date of training for each subject. This report is</p>	YES

	limited to only those personnel required for the Index, which is usually significantly fewer than the total DoD firefighters assigned.	
319(i)3	<p><b>LIVE-FIRE DRILL EVERY 12 CONSECUTIVE CALENDAR MONTHS (CCM) FOR ALL PERSONNEL</b></p> <p>Verified by ensuring the training in the DOD ARFF Training Summary (Attachment 3) for firefighters was provided within the previous 12 CCM. FAA inspections will not ask for additional training data when the training dates on the DoD ARFF Training Summary are within 12 CCM.</p>	YES
319(i)4	<p><b>PERSONNEL TRAINED AND CURRENT IN BASIC EMERGENCY MEDICAL CARE PROVIDED FOR ACR OPNS</b></p> <p>Verified by information in the DOD ARFF Training Summary (Attachment 3) for firefighters required by Airport Index.</p>	YES
319(i)5	<p><b>RECORD OF TRAINING FOR 24 CCM</b></p> <p>Verified by ensuring the training in the DOD ARFF Training Summary (Attachment 3) for firefighters was provided within the previous 12 CCM. If discrepancies exist, the FAA inspector may request additional information.</p>	YES
319(i)6	<p><b>SUFFICIENT PERSONNEL TO MEET REQUIREMENTS</b></p> <p>Sufficient rescue and firefighting personnel are available during all air carrier operations to operate the vehicles, meet the response times, and meet the minimum agent discharge rates required by § 139.317 (Airport Index). These requirements are normally satisfied when one trained firefighter for each required ARFF vehicle is available.</p>	YES
319(i)7	<p><b>ALERTING PROCEDURES/EQUIPMENT REQUIREMENTS</b></p> <p>Procedures and equipment are established and maintained for alerting rescue and firefighting personnel by siren, alarm, or other means authorized by the DoD to any existing or impending emergency requiring their assistance. (<i>Radio transmission and three blast of the vehicle horns</i>)</p>	YES
319(j)	<p><b>HAZARDOUS MATERIALS GUIDANCE AVAILABLE</b></p> <p>Each aircraft rescue and firefighting vehicle responding to an emergency on the airport must be equipped with, or have available through a direct communications link, the "North American Emergency Response Guidebook" published by the U.S. Department of Transportation.</p>	YES
319(k)	<p><b>EMERGENCY ACCESS ROADS MAINTAINED</b></p> <p>NON APPLICABLE IF PAVEMENT IS OWNED BY DOD. TO BE ADDRESSED IN FUTURE DOD/FAA AGREEMENTS.</p>	N/A

Reviewed  
29 JAN 14

### DOD ARFF Vehicle Information

Airport: Hanscom AFB

NOTE:

Call Sign	Model Year	Manufacturer	Model (Type)	Vehicle Status	Water Capacity	AFFF Capacity	AFFF Concentration %	Dry Chemical Type	Dry Chemical Capacity	Maximum Primary Turret Discharge Rate
Crash 9	2009*	(Refurbished)	P-23	In Service	3300	500	3	Potassium-Based	500	750-1500gpm
Crash 10	2008*	(Refurbished)	P-19	In Service	1000	130	3	Potassium-Based	500	500 GPM
Tanker 7	1994	International	W/D	In Service	5000	0	0			
	1993		Trl/Foam	In Service	0	1000	3	Potassium-Based	0	

\* Both vehicles were refurbished in the year specified, by "Crash Rescue Equipment Services", Dallas Tx.

### Summary:

\* The Tanker is current in service (with limits); however, it has not been certified by appropriate test authorities. This is scheduled to be accomplished as quickly as possible.

Number of Vehicles:	3 Vehicle(s)
Total Water Capacity:	9300 Gallons
Total AFFF Capacity:	1630 Gallons
Total Dry Chemical Capacity:	1000 Pounds

