### 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 or 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.

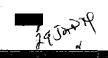
For the period <u>1 January 2014</u> to <u>21March 2014</u> the average response time to ARFF emergencies was <u>2 response > less than 3 minute</u> and 100 % compliant with DoD requirements.

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

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



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

§ 139 Reference Inspection Requirements	Met
319(a) ARFF CAPABILITY MEETING INDEX PROVIDED DURING ACR OPNS  The DoD F&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&ES organization can meet.	YES
319(b) ARFF REQUIREMENTS MET FOR INCREASE IN INDEX  The DoD F&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&ES organization can support.	YES
319(c) & (d) REDUCTION IN ARFF INDEX MEETS CONDITIONS  The DoD F&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.	YES
319(e) VEHICLE COMMUNICATION IN REQUIRED VEHICLES  The DoD F&ES organizations provides all emergency communication and equipment to comply with NFPA 1221, Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems, to include the use of two-way communication between ARFF vehicles and other required Airfield Operations.	YES
319(f) VEHICHLE MARKING AND LIGHTING NON APPLICABLE. DOD VEHICLES ARE NOT PURCHASED WITH AIP FUNDS	N/A
319(g) VEHICHLE READINESS  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)	YES
NO RESPONSE EXERCISE WILL BE CONDUCTED. The FAA has accepted the Response Time criteria in DODI 6055.06 as being equivalent to Part 139 requirements. DoD F&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).	YES
319(i)1 PERSONNEL PROPERLY EQUIPPED  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.	YES
319(i)2 PERSONNEL PROPERLY TRAINED  All rescue and firefighting personnel required by Airport Index are properly trained to perform their duties. DoD F&ES will provide a DOD ARFF Training Summary (example at Attachment 3) with the last date of training for each subject. This report is	YES

limited to only those personnel required for the Index, which is usually significantly fewer than the total DoD firefighters assigned.	
319(i)3 LIVE-FIRE DRILL EVERY 12 CONSECUTIVE CALENDAR MONTHS (CCM) FOR ALL PERSONNEL	
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	YES
Summary are within 12 CCM.  PERSONNEL TRAINED AND CURRENT IN BASIC EMERGENCY MEDICAL	
CARE PROVIDED FOR ACR OPNS	VEC
Verified by information in the DOD ARFF Training Summary (Attachment 3)	YES
for firefighters required by Airport Index.	
319(i)5 RECORD OF TRAINING FOR 24 CCM	
Verified by ensuring the training in the DOD ARFF Training Summary	YES
(Attachment 3) for firefighters was provided within the previous 12 CCM. If discrepancies	
exist, the FAA inspector may request additional information.	
319(i)6 SUFFICIENT PERSONNEL TO MEET REQUIREMENTS	
Sufficient rescue and firefighting personnel are available during all air carrier	YES
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	123
normally satisfied when one trained firefighter for each required ARFF vehicle is available.	
319(i)7 ALERTING PROCEDURES/EQUIPMENT REQUIREMENTS	
Procedures and equipment are established and maintained for alerting	
rescue and firefighting personnel by siren, alarm, or other means authorized by the DoD	YES
to any existing or impending emergency requiring their assistance. (Radio transmission	
and three blast of the vehicle horns)	<u></u>
319(j) HAZARDOUS MATERIALS GUIDANCE AVAILABLE	``.
Each aircraft rescue and firefighting vehicle responding to an emergency on	
the airport must be equipped with, or have available through a direct communications	YES
link, the "North American Emergency Response Guidebook" published by the U.S.	
Department of Transportation.	<del> </del>
319(k) EMERGENCY ACCESS ROADS MAINTAINED	
NON APPLICABLE IF PAVEMENT IS OWNED BY DOD. TO BE ADDRESSED IN	N/A
FUTURE DOD/FAA AGREEMENTS.	

**DOD ARFF Vehicle Information** 

**Airport: Hanscom AFB** 

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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	ST 12 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Potassium-Based	500	750-1500gpm	J					
Crash 10	2008*	(Refurbished)	P-19	In Service	1000	130	3	Potassium-Based	500	500 GPM	1					
Tanker 7	1994	International	W/D	In Service	5000	• · · · · O				(4) 多人(4) (4)	5					
	1993	7	Trl/Foam	In Service	0	1000	3	Potassium-Based	0		•					
18. Str. 30. 30. 25. 1			17-5-20-6	WWW.NEWSPREAM	ig sa <sup>t</sup>	F 17 5 6 6				Briggings Annias in	_					

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NOTE:

\* 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 certifed by appropriate test authorities. This is scheduled to be accomplished as quickly as possible.

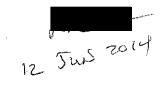
**Number of Vehicles:** 

3 Vehicle(s)

Total Water Capacity:

9300 Gallons

Total AFFF Capacity: Total Dry Chemical Capacity: 1630 Gallons 1000 Pounds



ARFF Personnel Training Summary	† !						<u> </u>									
Year: 2014 Shift: Group system	Airport Firefighter Certification Number	Initial Live Fire Training	Airport Familiarization, including marking, lighting, and signs (covered In Flightline/Airport Fam training sessions)	2. Aircraft Farnillarization (Must be date for Civil Aircraft training)	Emergency Communications (Covered during Airport Familiarization training)	4. Personnel Safety (Covered during SCBA/PPE training)	5. ARFF Equipment, Hoses, Nozzles, Turrets and Agents (covered in ARFF Vehicle Familiarization)	6. Aircraft Cargo Hazards (Covered during HazMat training sessions/exercises)	7. Airport Emergency Plan Dutlies (covered dulng ICS (Local Plans) training session)	8. Emergency Aircraft Evacuation (Covered during Airport Familiarization training)	9. Pedestrians and ground vehicles operations (Covered during Affron Familiarization baining)	10. Adapting Structural for ARFF (Covered during Structural and ARFF Exercises)	11. Firefighting Operations (Covered during ARFF Principles training)	12. Live Fire Training	13. Basic Emergency Medical (Covered by FA/FR and CPR)	Airpot Index required
Name:							i de la companya di salah di s		Dates			1 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				Y/N
		20-Dec-00	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	11-Jun-14	28-Aug-16	Yes
:4		20-Sep-94	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	25-Jun-14	3-Apr-15	Yes
3		19-Jun-98	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	5-Dec-13	8-Aug-13	1-Apr-15	Yes
		16-Nov-04	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	17-Dec-13	8-Aug-13	29-Nov-15	Yes
		31-Jan-97	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	20-Dec-13	8-Aug-13	1-Apr-16	Yes
		28-Mar-94	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	22-Dec-13	8-Aug-13	1-Арг-15	Yes
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In addition to the summary, each airport should maintain a curriculum or narrative documentation which includes a description and date of training received by each individual and specifics on the how the trainining was accomplished