WHAT’S HAPPENING AT THE FAA?

- ARFF Web Page & Statistics
- Advisory Circulars
- FAA Research
- FAA Reauthorization Bill 2018
- AFFF Certification Alert
- ACRP Projects
Aircraft Rescue and Fire Fighting (ARFF) Airports

Operators of Part 139 airports must provide aircraft rescue and firefighting (ARFF) services during air carrier operations that require a Part 139 certificate. The guidance and resources below address ARFF training, ARFF vehicles, and other aviation fire and rescue requirements. More on Part 139 >>

Hot Items

- January 10, 2019: Draft Addendum, HRET Hand Signals, to AC 150/5210-23, ARFF Vehicle and High Reach Extendable Turret (HRET) Operation, Training and Qualifications
  Comments are requested by February 11, 2018.
- October 30, 2018: Department of Defense (DoD) Qualified Product Database (QPD)
  Airport operators holding FAA Airport Operating Certificates can use the QPD to ensure any Aqueous Film Forming Foam (AFF) they purchase conforms to MIL-F-24385.
- September 21, 2017: Thermal Imaging for Aircraft Rescue and Fire Fighting Applications

ARFF Contacts

FAA Office of Airports
Marc Tonnacliff
ARFF Specialist
Federal Aviation Administration
800 Independence Ave. SW
Airport Safety and Standards, AAS-300, Room 818
Washington, DC 20591
(202) 267-8732
Fax (202) 493-1416

FAA Technical Center
Keith Bagot
ARFF Research Program Manager
FAA ARFF WEB PAGE

- https://www.faa.gov/airports/airport_safety/aircraft_rescue_fire_fighting/

- 8,446 Subscribers

- Nearly 51,000 views

- 10th most popular page in the Airports section

- Nearly 140 views per day
ADVISORY CIRCULARS

- Draft Addendum to AC 150/5210-23, ARFF Vehicle and High Reach Extendable Turret (HRET) Operation, Training and Qualifications
  - (posted 01/10/2019)

- New and very clear pictures of the hand signal
  - Using actual person not a drawing

- Quick reference guide developed

- Currently out for Public comment
FAA Hand Signals

**WHICH DEVICE?**

This signal, “Tap Top of Head” indicates instructions are for the boom.

This signal, “with arm bent at elbow, hand and forearm, vertical. The elbow is tapped with the other hand” indicates the next instruction is for the piercing tip.

**BOOM**

**RAISE**

**LOWER**
Draft Addendum to AC 150/5210-23, ARFF Vehicle and High Reach Extendable Turret (HRET) Operation, Training and Qualifications

- Who knew it was out for comment?
- Who is signed up for alerts?
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- Receive email alerts when this page is updated!

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**Federal Aviation Administration**

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### Email Updates

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Next AC’s up for future updating

- AC 150/5210-19A - Driver's Enhanced Vision System (DEVS)
  - FAA Tech Center Report
  - Watch for public comment period later this year.

- AC 150/5210-14B - Aircraft Rescue Fire Fighting Equipment, Tools and Clothing

- AC 150/5210-7D - Aircraft Rescue and Fire Fighting Communications
  - Big change “ARFF COMMAND”

- AC 150/5220-10E - Guide Specification for Aircraft Rescue and Fire Fighting (ARFF) Vehicles
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Marc Tonnedliff
ARFF Specialist
Federal Aviation Administration
800 Independence Ave. SW
Airport Safety and Standards
AAS-300, Room 618
Washington, DC 20591
(202) 267-8732
Fax (202) 483-1416

FAA Technical Center
Keith Bagot
ARFF Research Program
Manager
ANG-E621, Bldg 296
Atlantic City International Airport,
NJ 08405
(609) 485-6383

- Airport Technology Research & Development Branch
- FAA Aircraft Rescue & Fire Fighting Research Program
- Airport Safety Research
  Published Papers & Technical Notes
Airport Safety Research Published Papers and Technical Notes

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT/FAA/TC-17/27</td>
<td>Thermal Imaging for Aircraft Rescue and Fire Fighting Applications</td>
</tr>
<tr>
<td>DOT/FAA/TC-14/22</td>
<td>Impact of Alternative Fuels present in Airports on Aircraft Rescue and Firefighting Response</td>
</tr>
<tr>
<td>DOT/FAA/TC-13/30</td>
<td>Full-Scale Evaluation of ARFF Tactics for Cargo Fires on Freighter Aircraft</td>
</tr>
<tr>
<td>DOT/FAA/TC-TN12/34</td>
<td>Test and Evaluation of Rear-Wheel Steering for Aircraft Rescue and Firefighting Vehicles--Part 2</td>
</tr>
</tbody>
</table>

View More FAA Airport Safety Research Reports
Airport Safety Research Published Papers and Technical Notes

The following documents are in Adobe Acrobat (.pdf) format and are available for download. You will need Adobe Reader software to view these documents. Adobe Reader is free and available for download by clicking on the following icon:

Search

Performance Assessment of the Terma X-Band Obstruction Light Control System as an Aircraft Detection Lighting System (ADLS)
DOT/FAA/TC-TN16/41 Authors: James Patterson, Jr. and Garrison Canter
The FAA Tech Center has completed testing on three different Input-Based Testing Systems:

- No-Foam System
- E-One’s Eco-Logic System
- Oshkosh’s Eco-EFP System

Report published in February

Decision has been made

Allowable
Input-Based Testing

Federal Aviation Administration
National Part 139 CertAlert

Date: 1/17/2019
To: All Certificated Part 139 Airports and Aircraft Rescue and Firefighting (ARFF) Departments
Subject: Aqueous Film Forming Foam (AFFF) Testing at Certificated Part 139 Airports
Point of Contact: Marc Tonnacliff, AAS-300, 202-267-8732
Email: marc.tonnacliff@faa.gov

1. Purpose. This CertAlert provides information and guidance to airport operators regarding optional equipment for use in testing Aqueous Film Forming Foam (AFFF) systems on their Aircraft Rescue and Firefighting vehicles. It also provides information on current research into fluorine-free firefighting foams, due to recent concerns over the use and discharge of AFFF at airports. This guidance has been prepared in response to a directive in the FAA Reauthorization Act of 2018, described in further detail below, and it does not revise or replace any previously issued guidance.
3. **Recommendations.** The FAA believes that testing ARFF vehicles’ AFFF systems is essential to safety. We are working to give ARFF departments the flexibility to ensure they maintain their ARFF vehicles’ readiness, while also addressing environmental concerns. The FAA recommends the following to airport operators:

   a. Consider using one of the following AFFF testing systems, which the FAA has accepted for immediate use, to satisfy the Part 139 testing requirement while minimizing the environmental impact:
      
      a. Eco-Logic system from E-One
      b.  NoFoam System
      c. Oshkosh Eco EFP (Electronic Foam Proportioning) System

   b. Consider establishing local Standard Operating Guidelines/Standard Operating Procedures (in conjunction with your local or state environmental regulatory organizations) to identify a suitable location/storage container to discharge AFFF for training and/or testing to ensure the functionality of the foam proportioning system on each ARFF vehicle.

   c. Consider establishing safe and environmentally effective handling and disposal procedures during testing and re-servicing of each ARFF vehicle with AFFF.

   d. Periodically visit the FAA ARFF webpage for further guidance:

      [https://www.faa.gov/airports/airport_safety/aircraft_rescue_fire_fighting/](https://www.faa.gov/airports/airport_safety/aircraft_rescue_fire_fighting/)

   e. Read the FAA Technical Center Report on Input-Based Foam Proportioner Testing, due to
SEC. 332. AIRPORT RESCUE AND FIREFIGHTING

(a) FIREFIGHTING FOAM.—Not later than 3 years after the date of enactment of this Act, the Administrator, using the latest version of National Fire Protection Association 403, “Standard for Aircraft Rescue and Fire-Fighting Services at Airports”, and in coordination with the Administrator of the Environmental Protection Agency, aircraft manufacturers and airports, shall not require the use of fluorinated chemicals to meet the performance standards referenced in chapter 6 of AC No: 150/5210–6D and acceptable under 139.319(l) of title 14, Code of Federal Regulations.
Airport Corporative Research Program (cont.)

- Synthesis S18-04-23 ACRP- Airport Emergency Working Groups
  - Locate and compile information on EWGs that are a collaboration between airlines and airports
  - Due out later this year

- Guidebook for creating and maintaining Social Media for Emergency Management
  - Due out later this year

- Sign up to receive alerts on research reports and webinars.
Contact Information

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Federal Aviation Administration
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