

A circular ring of fire, glowing with orange and yellow flames, set against a solid black background. The fire forms a thick, irregular ring that encircles the text.

ARFF Training

I deas to I mprove
Your
Training Program

Overview

- Training Requirements
- Importance of Keeping It Fresh
- Keeping It Fresh – On a BUDGET
- Training Documentation

Training Requirements

- FAR Part 139
 - 139.303
 - Train all personnel who access movement areas...
 - Initially
 - At least once every 12 months thereafter

Training Requirements

- Subjects
 - Airport Familiarization
 - Access/Operation in Movement & Safety Areas
 - Airport Communications
 - Duties Under the AEP
 - Additional Subject Areas
- Training Records

Training Requirements

- 139.319(i)(2)
 - Identifies Initial/Recurrent training curriculum
 - Prescribes a training record to be maintained for each individual for 24 consecutive calendar months.

Training Requirements

- 139.327 – Self-Inspection Program
 - Para. (b)(3) – Requires Initial and Recurrent training for everyone qualified to conduct airport inspections
 - Maintain training records for 24 consecutive months
 - Everyone must be trained in accordance with 139.303

Training Requirements

- 139.329 Pedestrian and Ground Vehicles
 - Ensure that each employee, tenant, or contractor is trained on procedures required under 139.329(b), including consequences of noncompliance, prior to moving on foot, or operating a ground vehicle, in movement areas or safety areas
 - Maintain records 24 consecutive months after termination of individual access to movement and safety areas.

Training Requirements

- 139.337 Wildlife Hazard Mgmt
 - Trained to implement the airport's wildlife management plan.
- 139.339 Airport Condition Reporting
 - Reporting criteria listed in 139.339(c).
 - Reporting protocols.
 - Airfield condition recording
 - NOTAMs

Training Requirements

- Advisory Circular 150/5210-17A, Programs for Training Aircraft Rescue and Fire Fighting Personnel
 - Method for meeting the requirements in 139.319(i)
 - Requires that each ARFF Fire Fighter receive a minimum of 40 hours of recurrent training annually.

Training Requirements

- Advisory Circular 150/5210-17A requirements (continued)
 - Defines recurrent training as “that training provided to an employee *as often a necessary but not less than 12 consecutive calendar months* to enable him/her to maintain a satisfactory level of proficiency.
 - Lists training objectives

Importance of Keeping It Fresh

- Training is something we have to do...
 - Regulatory
 - Previously discussed
 - Proficiency
 - Ensure we can do our jobs when we need to.
 - Professional Preservation
 - Cert Inspections
 - NTSB Investigations

Importance of Keeping It Fresh

- **Initial Training**
 - Initial Training Syllabus
 - Knowledge (Academic Training)
 - Vehicle Operator Qualification
 - Practical Skills
 - Day/Night Timed Response
 - Live Fire Training

Importance of Keeping It Fresh

- Recurrent Training
 - Annual Training Plan
 - Monthly Schedule
 - Knowledge (Academic) Training
 - Vehicle Operations
 - Practical Skill Training
 - Day/Night Timed Response Exercises
 - Live Fire Training

Importance of Keeping It Fresh

- Lesson Plans
 - Must meet the intent of the Advisory Circulars
 - Training objects outline what must be covered
 - Ensures well rounded training
 - Current
 - Lesson Plans should be reviewed at least annually.
 - Follow accepted lesson plan format i.e. IFSTA, DoD, others

Importance of Keeping It Fresh

- Evaluations
 - Knowledge
 - Questions during training
 - Unit Quizzes
 - Final Exam
 - Performance
 - Hands-On Training
 - Task Evaluations from AC and IFSTA ARFF
 - Live Fire Training

Importance of Keeping It Fresh

- Keeping it fresh
 - Supports several Laws of Learning
 - Builds on previous learning experiences
 - Relevant to the learner's life and work
 - Training aligns closely with job situation
 - Maintains learner's interest
 - Builds understanding and proficiency

Keeping It Fresh on a Budget

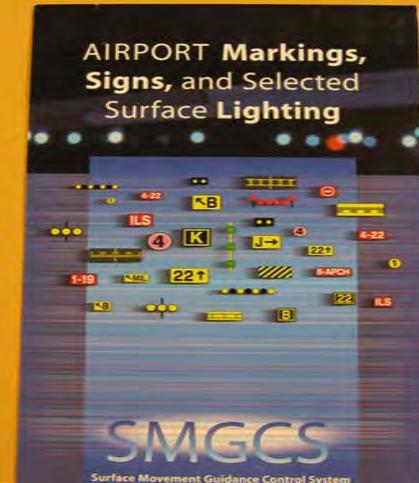
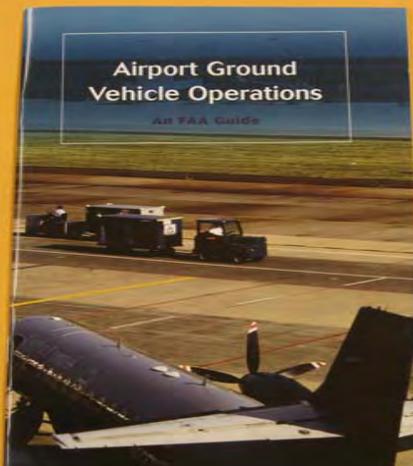
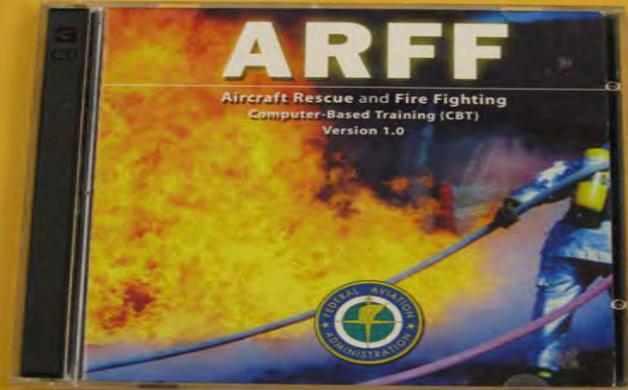


- Research
 - What is going on in the industry
 - Current events

Keeping It Fresh on a Budget

- FAA
 - Training DVDs and Computer Based Training (CBT) systems.
 - Pamphlets
 - Posters
- Available through the FAA Region Safety and Standards Branch office.

Keeping It Fresh on a Budget FAA Materials



Keeping It Fresh on a Budget

- Resources

- Internet

- American Association of Airport Executives – www.aaae.org
 - ARFF.Info – www.arff.info
 - Aircraft Rescue and Fire Fighting Working Group – www.ARFFWG.org
 - Aviation Fire Journal – www.aviationfirejournal.com
 - YouTube

ARFF Classes and Events, Articles, PowerPoints, videos, Documents and News Feeds.

Forum	Last Post	Threads	Posts
 <u>ARFF Classes & Events</u> ARFF related classes or ARFF events. All posts will be moderated in a timely manner. Posts will be viewable for one year. Please, no duplicate posts.	<u>ARFF Class - June 23 to 27</u> by Harry 6th May 2008 23:12	95	217
 <u>Members Only - Limited Access</u> Only registered members may view this area.	<u>Navair 00-80R-14</u> by Chief Cluchey 28th March 2008 19:30	1	3
 <u>ARFF Articles</u> Your articles are welcomed.	<u>ARFF News</u> by arff109 30th April 2008 13:40	10	30
 <u>Photographs</u> ARFF and aviation related photos.	<u>AA MD-80 Engine Fire - St...</u> by xna1501 17th September 2008 07:44	161	639
 <u>ARFF PowerPoints</u> (1 Viewing) Your PowerPoint programs.	<u>aircraft construction</u> by xna1501 8th September 2008 16:57	49	185
 <u>ARFF Videos and Documents</u> (1 Viewing) ARFF video and documents downloads.	<u>*looking for* Off road arff...</u> by Docthrush 11th August 2008 10:13	31	107
 <u>Aviation Accidents - Google News</u> (2 Viewing) RSS Feed from Google News	<u>Two fighter jets crash off...</u> by ARFF.Info RSS News Feed Today 15:53	3,340	3,342
 <u>Aviation Accidents - Yahoo! News</u> (2 Viewing) RSS Feed from Yahoo! News	<u>Pilot error, weight factors...</u> by ARFF.Info RSS News Feed Today 12:32	1,636	1,637
 <u>NTSB Aviation Updates</u> (2 Viewing) RSS Feed from planenews.com	<u>NTSB: Plane Crash...</u> by ARFF.Info RSS News Feed 2nd August 2008 21:30	25	25

Keeping It Fresh on a Budget

- Publications
 - International Fire Service Training Association (IFSTA) www.ifsta.org
 - *ARFF* – ARFF Manual, 5th Edition due late 2008/early 2009
 - *Essentials* – Basic fire fighting skills
 - Other fire fighting/emergency management publications

Keeping It Fresh on a Budget

- Publications (continued)
 - *ARFF News* – Published by ARFF Working Group
 - *Aviation Fire Journal* – Published by AFJ Media (E-Publication)
 - *General Aviation News* – Published by Flyer Media, www.generalaviationnews.com

THE OFFICIAL PUBLICATION OF THE ARFF WORKING GROUP

To Promote
the Science
and Improve
the Methods
of Aviation
Fire Protection
and Prevention

Aircraft Search and Rescue Basics



by Paul Powell

So you have been tapped to teach this month's lesson for your ARFF crew? The topic, Aircraft Search and Rescue. Now think about that assignment for a moment. What can be so difficult about searching a long cylindrical tube? You go in one end and work a search pattern and try to get to the other end. It's not like structural firefighting, where you go to a strange building and attempt to figure out the interior by using several of our five senses. We are at the airport; these aircraft and airport buildings are toured and visited on a regular basis. There should be no unfamiliarity with any object inside our fence. You really want to get across today's topic and make an impact. Try this, I had to come up with curriculum that matched our state's objective for Aircraft Rescue fire fighting and this is the result.

Our primary task is overall scene safety for our personnel and the survivors. As we think of search and rescue focus on the two areas, interior and exterior. Interior search is going to be the most challenging. Aircraft emergencies with fire or smoke filled interiors Continued on page 4

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Keeping It Fresh on a Budget

- Conferences
 - State Aviation/Airport Association Conferences
 - Regional FAA Conferences
 - ARFFWG Annual Conference
 - Airport Fire-Rescue USA

Keeping It Fresh on a Budget

- Networking
 - Share Lesson Plans
 - Share Training Materials
 - Mobile Live Fire Trainers
 - New ARFF vehicle delivery training video

Documentation

**If it's not documented,
IT DID NOT HAPPEN!!**

- Training Reports
 - Documents each training class
 - Documents who attended

PRO-TEC FIRE SERVICES, LTD. TRAINING REPORT			Date:
Name and Title of Instructor:	Start Time:	Finish:	Duration:
Subject:	No. Attending Class:		
Location of Training:	Equipment and Training Aids Used:		
AGENTS/FUEL USED FOR LIVE FIRE TRAINING			
Water:	APFF:	Dry Chemical:	Fuel Gallons:
Description of Training:			
PERSONNEL ATTENDING TRAINING (Continue on Reverse Side)			
Print Last Name First		Signature	
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
APPROVAL			
Instructor (Signature):		Posted By:	

Documentation

- Training Spreadsheets
 - Purpose:
 - Tracks training hours on each subject
 - Tracks each individual's training hours
 - Types
 - Great Lakes Region's
 - Pro-Tec's

2008 TRAINING		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	①	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	HRS PER
SUBJECT	②	HRS	SBJT											
1. Airport Familiarization														0.00
2. Aircraft Familiarization														0.00
3. Rescue & Firefighting Personal Safety														0.00
4. Emergency Communications On The Airport														0.00
5. Use of Fire Hoses, Nozzles, Turrets & Appliances		③												0.00
6. Application of Extinguishing Agents														0.00
7. Emergency Aircraft Evacuation Assistance														0.00
8. Fire Fighting Operations														0.00
9. Adapting Structural FF Equipment for ARFF														0.00
10. Aircraft Cargo Hazards (Hazmat)														0.00
11. FF Duties Under the Airport Emergency Plan														0.00
12. Live / Hot Fire Training														0.00
13. Self-Contained Breathing Apparatus (SCBA)														0.00
14. Medical Training (Continuing ED)														0.00
15. Driver / Operator Training (R-2) (R-3)														0.00
16. OSHA "Right to Know"														0.00
17. Sexual Harassment In The Work Place														0.00
18. Blood Borne Pathogens														0.00
19. AED Recertification														0.00
20. CPR Refresher														0.00
21. No-Notice Timed Response														0.00
														0.00
④ → TOTAL MONTHLY HOURS		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
⑤ → TOTAL YTD HOURS FOR 2007		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

⑥

1. EMPLOYEE NAME:

The employee's name is placed in the column below "2008 Training", and above "Subject"

2. SUBJECT COLUMN:

The first 12 listed are the FAA required training subjects. Anything listed below 12 can be adjusted to your training topics

3. MONTH COLUMNS:

Are the columns where training hours are entered for that month.

4. TOTAL MONTHLY HOURS:

This area will automatically total the amount of training hours entered for that month.

5. TOTAL YTD HOURS FOR THE YEAR LISTED: (YEAR TO DATE HOURS)

This area takes the total monthly hours entered and automatically adds them to the yearly hours as you enter your training hours monthly..

6. TOTAL HOURS PER SUBJECT:

This column shows the total hours trained from the month to month to show the hours trained on each subject.

Documentation

- All training documentation is retained for 24 consecutive months.
- Must be able to document initial and qualification training programs i.e. how is a new employee taken from “No Go” to “Go”.

Final Thoughts...

- Training is essential to efficient and safe airport operations.
- Training must be relevant to the person receiving it.
- Training can be interesting!

Final Thoughts...

- Training does not have to be expensive to be relevant and interesting.
- Training must be documented properly or it does not count.

A circular ring of fire, glowing with orange and yellow flames, set against a dark background. The fire forms a thick, irregular ring that encircles the text.

Thank You!!

Questions?

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No Charge or Obligation to Answer Questions