



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

December, 1992

Revised 2/06

Course Title: Airport Annual Burn (AAB)

Length of Course: 8 hours

Lecture/Lab Breakdown: 2/6

Prerequisites: ARFF or Certification as an Airport Firefighter (NFPA 1003) or attestation by fire chief/airport manager re: competency in basic fire fighter skills.

Referenced Texts: US DOT/FAA *Aircraft Rescue and Fire Fighting* Instructor Guide; IFSTA *Aircraft Rescue and Fire Fighting*, Third Edition.

Course Goal: The course will give participants live-fire training in compliance with the FAA Part 139 requirement for such training for members of certificated airport ARFF departments on an annual basis.

Description of Course: Designed for **experienced ARFF fire fighters**, this course will consist of a brief review of ARFF and safety procedures, followed by attacks on a variety of aircraft fire scenarios. The course meets the FAA Part 139 annual live-fire training requirement for fire fighters at certificated airports.

Description of Methodology to be Used: Short classroom lecture, followed by demonstration and extensive supervised practice.

Student Equipment & Supply Needs: Work clothes; SCBA, and fire fighter protective clothing (turn-out gear).

Equipment/ Audiovisual/Supply Needs: Chalkboard; a live fire training facility (fixed or mobile) meeting current Federal Aviation Agency (FAA) specifications is **required** for this course. ARFF vehicle or engine with foam capability and appropriate application equipment (hose and nozzles) for a minimum of two 1 1/2" handlines for fire attack; SCBA recharging equipment (cascade system).

Special Note: Staffing will meet the requirements of NFPA # 1403 and the SFA Structural Burn Policy if interior cabin fire scenarios are used. Other scenarios will be staffed IAW NFPA # 1406. Class sizes over 30 students will be approved before the fact by SFA Field Education Specialist. The lead instructor MUST be a Pennsylvania-accredited AAB instructor for State Certificates of Training to be issued.

(continued)

MINIMUM STANDARD FOR ACCREDITATION

Airport Annual Burn (ZAAB)

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Page 2 of 2

Course Outline - (General -not detailed)

<u>Time</u>	<u>Notes</u>	<u>Content</u>
2:00		Registration; Review of ARFF principles & Safety Briefing
5:00		Live Fire Exercises
1:00		Clean-up, evaluation

Competency Evaluation Mechanism: Instructor evaluation of student's performance during live fire exercises.

Course Objectives (specific):

Upon completion of this course, the student:

1. given protective clothing and SCBA with which he/she is familiar, be able to properly don such personal protective equipment and demonstrate its safe use in a hazardous fire environment.
2. wearing the personal protective equipment referred to in Objective # 1, and given an ARFF vehicle, shall demonstrate the capability to safely and rapidly extinguish:
 - 2a. a spill fire meeting the FAA requirements for, at the minimum, an Index A airport assisted by two other fire fighters. In spill fires of a size meeting the FAA requirements for B, C, D, and E airports, the assistance of additional ARFF vehicles and personnel is permissible.
 - 2b. at least two of the following four scenarios:
 - 3b.1 an interior cabin fire
 - 3b.2 an engine fire
 - 3b.3 an Auxiliary Power Unit (APU) fire
 - 3b.4 a wheel fire

Questions/Comments: Contact the Curriculum Specialist