



# Pennsylvania State Fire Academy

1150 Riverside Drive

Lewistown, PA 17044-1979

(717) 248 1115

In PA: 1 800 459 4096

FAX (717) 248 3580

## Minimum Standard for Accreditation (MSA)

December, 1992

Revised May 1, 1999

**Course Title:** Airport Annual Burn (AAB)

**Length of Course:** 8 hours

**Lecture/Lab Breakdown:**

2/6

**Prerequisites:** *ARFF* 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)

December, 1992; Revised May, 1999

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**Course Outline - (General -not detailed)**

<b><u>Time</u></b>	<b><u>Notes</u></b>	<b><u>Content</u></b>
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