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.


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)
Course Outline - (General -not detailed)

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