

INTRODUCTORY ARFF TRAINING AGENDA

1. Introductory Aircraft Familiarization (18 min)
 - a. Piston/Turboprop/Turbojet Identification (SEL, MEL)
 - b. Fuels (100LL & Jet A) – 100LL flash point -49 degrees F, Jet A 100 degrees F! Jet A auto ignition temperature is 475 degrees F! Flame Spread 100LL 30x greater than Jet A (unless released in a mist)!
 - c. Pressurization, emergency exit doors
 - d. Helicopters – never approach from rear or uphill
 - e. U.S. Military – Call nearest DOD facility for assistance!

2. First Responder Safety at a Small Airplane or Helicopter Crash – Module 2: Aircraft Type Familiarization and Mission Specific Hazards (7 min)

3. First Responder Safety at a Small Airplane or Helicopter Crash – Module 1: Systems and Materials Hazards (27 min)
 - f. *“To Foam or not to Foam?”*
 - g. Accident Scene – victims walk toward first responders
 - h. Preservation of Evidence – crime scene, buddy system/photos if moving anything
 - i. Hazards (props, BPS, etc.)
 - j. BPS – Cirrus, LSA, safetying the system (most not safetyed in flight)

4. First Responder Safety at a Small Airplane or Helicopter Crash – Module 3: Command & Recovery (24 min)
 - k. FAA & NTSB Notification
 - l. Witnesses – record contact information ASAP
 - m. Media – Never speculate, assign a POC until NTSB or FAA arrives. BDA overhead.

5. ARFF Aircraft Forcible Entry (26 min)
 - n. Stabilization – cribbing, air bags, struts, wedges, etc.
 - o. *“Try before you pry”*
 - p. Using the Crash Chart Database. If no time – *“Within 3, it should be free”*
 - q. Standardized Coding Chart
 - r. *“Throttles, Bottles, Batteries, Fuel, & Keys”* (but, record/document first!)

Aircraft Familiarization & Crash Chart Databases are Essential! Know what you are cutting!

6. Site Specific Aircraft Familiarization (HOT if possible. If not, video training)
 - s. Cessna, Piper, Beech, Cirrus, and other available SEL
 - t. Light Sport Aircraft (BPS Identification)
 - u. Available MEL aircraft & helicopters

7. ARFF Mobile Trainer
 - v. Aircraft familiarization
 - w. Theoretical extrication (using Crash Chart Database)
 - x. Theoretical evacuation

INTRODUCTORY ARFF TRAINING AGENDA (cont.)

8. Additional Onboard ARFF Equipment:
- Crash Chart Database
 - 14” Rotary Saw with blades
 - Extinguishers
 - PKW “Purple K”
 - Class D “METL-X”
 - Good pair of binoculars
 - Seat belt & bicycle cable cutters
 - 3/16” diameter allen wrench (to secure BPS)
 - Chemical Response Guidebook
 - NTSB “Responding to an Aircraft Accident” Pamphlet

