Leadplane Training Lesson Plan

Flight 1, Scenario 1a
13-01-N9065-HO

Objective:
Introduce the student to radio calls and communication procedures (Phase 1).
Introduce student to mountain flying and leadplane profiles (Phase 2).

Content:
Pre Flight Briefing (15 minutes)
  Flight 1 briefing
  Review flight scenario
Preflight (15 minutes)
Flight (1.0 hours)
Taxi
  GPS set up
  FM radio set up
  Tanker base operations
Airport Departure
  Dispatch
In Route
  In route procedures
FTA
  FTA radio calls and procedures
  Mountain flying techniques
    Winds
    Turbulence
    Terrain
Ridge crossings
High and low recon
Introduction to leadplane flight profiles
  Visual effects over high or low terrain
  Aircraft configuration
  Pattern work – left hand
  Airspeed control
  Exit procedures
Target descriptions
Departing the FTA
  Dispatch radio calls
  Tanker base radio calls
  Air Traffic Control
Post Flight
  Dispatch
  Fuel
  Preparing the aircraft for the next dispatch
Post Flight Briefing (30 minutes)
  Review flight 1
Scenario photos are to aid in the communication between the evaluator and the student. Retardant objective, the red line, is shown in scenario 1 photo but not in subsequent scenario photos.

Mid-sized fire, flat to gently sloping terrain, low intensity, reinforce roads for fire line, keep the fire from crossing the road on the west side of the fire. The retardant objective will be to reinforce the green side of the dirt road starting at an intersection.

The goal of this scenario will be to fly a pattern along the dirt road across the head of a slow moving fire. The pattern should allow a tanker to drop from one shoulder to the other. The use of the roads should be addressed in controlling the spread of the fire and the benefit of dropping on the green side of the road. The accessibility for firefighters should be addressed and how it may affect the selection of coverage level.

The position of this fire should allow the pilot great flexibility in flying the pattern. This scenario will provide a good opportunity for the first lead patterns to be flown where terrain is not a factor.
Completion Standards:
The lesson is complete when the student can demonstrate appropriate radio calls and communication procedures.

The lesson is complete when the student can demonstrate appropriate mountain flying and leadplane profiles.

Armor Practice Area, Scenarios 1 thru 4 Locations