

## Profile #6 – Mountain Search Mission Profile

### Prerequisites

This profile may only be flown by qualified SAR/DR Mission Pilots. This training flight will consist of a flight exercising and assessing knowledge of and ability to perform various CAP mission pilot mountain search subject areas. The flight should be flown with a pilot, observer and scanner but may be flown with only the pilot and an observer.

For A12 missions, sortie duration should not exceed 1.5 hours.

### Required Items

Plan for and brief **one or more** of the following mountain search missions.

- Contour Search
- Steep Valley/Drainage Search
- Cove Search
- Canyon Search
  
- Evaluate the impact of density altitude on aircraft performance by using PA and temperature to predict climb performance in the search area.

During flight while enroute or after reaching the search area, practice **one or more** of the following:

- Ridge crossing procedures
- Modified racetrack maneuver
- Teardrop course reversal
- Escape from high sink rates or turbulence
- Emergency course reversal (escape maneuver) at min 2000' AGL
  
- Practice mountain search procedures, as planned and briefed
- Review landing procedures with crew members

After the flight:

- Debrief the sortie with the crew
- Document completion in accordance with the provided instructions

### Routine

On return to the airfield, practice the following as time and conditions permit:

- Landings:  Normal (full flap),  Normal (no flap),  Short-Field,  Soft-Field
  - Simulated forced landing (IAW restrictions on pg. 3 under Execution),
  - Go-around
- Approaches:  ILS,  VOR,  GPS (if instrument qualified)