



Pilot Name _____ Cap ID _____
 Mission# _____ Sortie _____



**APPROVED MISSION PILOT PROFICIENCY FLIGHT
 PROFILE #6
 Mountain Search Mission Profile**

Approved 1 February 2016

This profile may only be flown by qualified SAR/DR Mission Pilots or properly supervised trainees. Supervisors must be qualified PICs in the aircraft flown since they are expected to be able to assume command of the flight as needs dictate. Pilots will document a summary of syllabus training activity accomplished on the sortie 104 in the results/deliverables section.

P / NP (**Performed** / **Not Performed**) ✓ Check one

This training flight will consist of a flight exercising and assessing knowledge of, and ability, to perform in various CAP mission pilot mountain search subject areas. The flight should be flown with a trainer, observer, and scanner, but may be flown with only the pilot and a trainer. Plan for and brief one or more of the following mountain search missions:

- Contour Search.
- Steep Valley/Drainage Search.
- Cove Search.
- Canyon Search.
- File a flight plan IAW CAPR 60-1 requirements.

Prior to flight, the mission pilot shall:

- Conduct an oral review determining the pilot's qualifications as a mountain search mission pilot.
- Calculate density altitude for departure/arrival airport(s) and the search area. Assess the impact of density altitude on aircraft performance at takeoff, landing, and during search.
- Prepare and file a flight plan.

During flight while en-route 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—practiced at a minimum of 2,000 AGL).
- During flight, adequately demonstrate the ability to successfully handle emergency procedures.

During flight, practice mountain search procedures as planned and briefed:

- Contour search.
- Steep valley/drainage search.
- Cove search.
- Canyon search.

- Review landing procedures with crew members.

- Practice approach and landing procedures by completing one or more of the following:
- Perform a normal landing, using full flaps, to a touch and go (if runway and conditions allow).
- Perform a short field landing to a full stop, with a simulated obstacle using the procedures recommended in the Aircraft Flight Manual (AFM)/Pilot Operating Handbook (POH) and the FAA Practical Test Standards (PTS).
- Perform a soft field landing to a full stop using the procedures recommended in the AFM/POH.

If instrument qualified, practice one or more of the following approaches to a full stop:

- ILS approach.
- VOR approach.
- NDB approach.
- GPS approach.

- Perform a simulated forced landing to a low approach or full stop (as appropriate).
- Perform a normal landing or no-flap landing to a full stop.

After the flight:

- Close the flight plan as necessary.
- Review and debrief as appropriate.

Notes: