

**APPROVED MISSION IMAGING PROFICIENCY FLIGHT  
PROFILE #3  
Electronic Search Mission Profile**

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. The following is an approved profile for “Proficiency Flight Training for Mission Pilots.” Proficiency flights are designed to prepare crews to fly Air Force missions, and though routine flight procedures can be practiced, the majority of a proficiency flight must be focused on the training outlined in the profiles below. For example, crews flying the visual search mission profile can reasonably conduct pattern work with multiple touch and go landings, but should not plan to spend the majority of the flight time in the airport traffic pattern. PICs will fly as much of the approved mission profile as safely possible understanding that requirements for trainees, weather, or other factors may prevent the completion of all listed events. This proficiency flight can be an Air Force assigned non-reimbursed mission authorized by the State Director that is released by a flight release officer using mission symbol B-12. Monthly mission number and mission profile number will be noted on the CAPF 99 by the FRO. Alternatively, this proficiency flight can be an Air Force assigned reimbursed mission authorized by the wing commander, SD, and LR and released by a flight release officer using mission symbol A-7. Requests for this training profile under this option will be made through WMIRS.

- Plan for and brief the crew on one or more of the below electronic search missions. Special emphasis should be placed on mission risk assessments, direction finding equipment familiarizations, aircraft limitations and operating procedures, and communications procedures.
  - Electronic Search Utilizing the Wing-Null Method.
  - Electronic search utilizing the L-Tronics Airborne Direction Finding Unit.
  - Electronic search utilizing the Becker Airborne Direction Finding Unit.
  
- Brief crew member mission responsibilities as appropriate. Review ground and in-flight emergency procedures, taxi, takeoff and in-flight procedures with each crew member.
  
- Prepare and file a flight plan if necessary.
  
- Conduct an Aircraft Pre-Flight Inspection as a crew.
  
- Enroute to the search area practice one or more of the following:
  - Slow flight.
  - Stalls.
  - Steep turns.
  - Turns around a point.
  
- Practice simulated in-flight emergency procedures.
  
- Practice electronic search sortie as planned and briefed.
  - Track the beacon to its source.
  - Lead a ground or urban direction finding team to the source.
  - Provide detailed location information to ground personnel of the source location.

- Provide a short verbal description of the target.
- Provide accurate latitude and longitude coordinates of the target.
  
- 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.
  
- Shut-down, Tie-Down, and Refuel as appropriate.
  
- If the target is located at an airfield and ground search equipment is available, locate the beacon on the airfield.
  
- Close the flight plan if necessary.
  
- Debrief the sortie with the crew.