

Profile #4 – Transportation Mission Profile

Prerequisites

The transportation mission profile may be flown by CAP-qualified Transport Mission Pilots and is designed for pilots to maintain familiarization with the airspace and airfields in their AOR.

For A12 missions, sortie duration should not exceed 2.5 hours. (A12 missions flown in HIWG should not exceed 3.0 hours.)

Required Items

This flight will consist of a minimum of three navigation legs that will include approaches at a minimum of two different airfields. Approaches may be to a full stop landing, touch-and-go landing or planned low approach/go-around. (Profiles flown in HIWG can consist of only two navigation legs.)

Plan the transportation mission as follows:

- Obtain all passenger and cargo weight and description. For a flight with simulated passengers or cargo use one passenger weighing 180 lbs. and 150 lbs. of cargo. Passengers must be qualified CAP aircrew members.
- Determine the load distribution and placement in the airplane.
- Compute a weight and balance for the specific load.
- Compute takeoff & landing performance for the specific load.
- Check departure & destination runway lengths, services, ATC frequencies, & procedures.
- Obtain a standard WX briefing, NOTAMS, and active TFRs from your local FSS.
- Determine fuel requirements, alternates needed, and any known ATC delays.
- Check the currency and appropriateness of all flight information publications.
- Review overwater/extended overwater requirements/procedures, as applicable.

Address the following during your briefings:

- Brief crew member mission responsibilities and assign duties.
- Review ground and in-flight emergency procedures, taxi, takeoff, and in-flight procedures with each crew member.
- Brief passengers on emergency and egress procedures prior to the pre-flight inspection.
- Review water survival, ditching procedures, life vest and raft use, and survival equipment use with crew and passengers prior to boarding, as applicable.

Execute the mission, as planned and briefed, to include:

- Perform a normal, short field or soft field takeoff.
- Perform an after takeoff, level off, and cruise checklist as appropriate. If available, have the pilot not flying assist.
- During cruise flight compute true airspeed, ground speed, estimated time of arrival, fuel burn, and estimate landing fuel load.

- Practice or discuss simulated in-flight emergency procedures as conditions & airspace allow.
- Approaching destinations, communicate with ATC, if appropriate.
- Review landing procedures with crew members.
- At each destination perform a minimum of one VFR or IFR approach procedure as appropriate. If safety/time/conditions permit, instrument qualified pilots should plan to fly one instrument approach to a planned go-around and fly the full missed approach as published. G-1000 qualified pilots should make every effort to use the tools available in the G-1000 to accomplish this phase of flight.

Perform at least one of the following at each airfield. Ensure that all five are accomplished during the sortie:

- Normal landing, using full flaps, to a touch and go (if runway and conditions allow)
- Normal landing, using no flaps, to a full stop
- Short-Field landing to a full stop
- Soft-Field landing to a full stop
- Simulated forced landing (IAW restrictions on pg. 3 under "Execution") to a low approach or full stop (as appropriate)

If instrument qualified, perform at least one of the approaches listed below during the profile:

- ILS
- VOR
- GPS

After the flight:

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

Routine Items

None