

Advantage Aviation Aerobatic Phase Check

The purpose of this phase check is to evaluate whether the pilot has been trained to proficient acceptable standards in the knowledge areas, procedures, and maneuvers for the Super Decathlon pertaining to aerobatic flight.

Member: _____

CFI: _____

Phase Check CFI: _____

Pilot Total Time (Min 150hrs):

Pilot Tailwheel Time (Min 40hrs):

Aerobatic Checkout Time (Min 20hrs)*:

Date:

*exceptions granted by the chief pilot only

Knowledge Check

- 1) Advantage Aviation Rules and Regulations:
- 2) FAR's Pertinent to Aerobatic Flight:
- 3) Aerobatic practice area and associated landmarks:
- 4) Spin Aerodynamics and Spin Modes (e.g. accelerated, flat, crossover...)
- 5) Spin Recovery:
- 6) Emergency Procedures:
- 7) Bail-Out Procedures:
- 8) Techniques for recovery from loss of control:
- 9) Demonstrates proper preflight of airplane and parachutes.

Flight Check

- 1) Fundamentals – Demonstrates control of aircraft in straight-and-level flight, turns, climbs, and descents.
- 2) Power-on and Power-off stalls upright and inverted: Recovers with minimum altitude loss.

- 3) Loops: Proper entry and exit speeds and maintains coordination.
- 4) Aileron Roll: Recovers to approximate entry altitude and speed.
- 5) One Turn Spin: Recovers to straight and level flight without exceeding aircraft limitations.
- 6) ½ Cuban: Proper entry and exit speeds and maintains coordination.
- 7) Immelman: Coordination through ½ loop and proper coordination on ½ roll.
- 8) Straight and level inverted flight: Maintains altitude in inverted flight +/- 200 feet.
- 9) Accelerated stalls in steep turns and loops: Recognizes and recovers promptly from stalls in steep turns and loops.
- 10) Hammerhead: Performs hammerhead successfully without exceeding airplane limits.
- 11) Recovery from an unusual situation: Recovers promptly from an unusual situation created by the check pilot; Recovers from inverted maneuver without creating split S.
- 12) Client to choose 4-6 maneuvers to be flown in a sequence: Straight and level flight between figures, proper entry and exit speeds, stays oriented (maneuvers chosen need not be repeated above).

Aerobatics Pave

Pilot

Physiology Considerations performing aerobatics.

Aircraft

Preflight Procedures Airplane and Parachutes:

Weight and Balance:

Checking inverted oil and fuel systems during flight:

Environment

Visibility and Cloud Clearance Requirements special to aerobatics.

External Pressures

Passenger considerations and need to impress.

Phase Check CFI Additional Comments, if any: