

SHORT-FIELD APPROACH AND LANDING

OBJECTIVE:

To develop the student's ability to safely accomplish a maximum performance approach and landing.

DESCRIPTION:

1. Complete the appropriate approach or traffic pattern procedure.
2. While on downwind, select an appropriate touchdown point.
3. Established on final, verify flaps 'APP' and complete '**GUNS**' check.
4. Adjust heading to achieve the proper crab angle as necessary.
5. Coordinate pitch and power (approach 25% Load) to obtain 82 KIAS and the appropriate descent.
6. Trim to maintain airspeed and relieve control pressures.
7. Aim for a point approximately 200' before your previously selected touchdown point.
8. Approach must be stabilized not lower than 300' AGL.
9. At the appropriate height (usually 5' to 10' above the runway), simultaneously reduce power and begin the round out by gently increasing backpressure on the yoke.
10. In case of crosswind conditions use aileron into the wind to correct for the drift and opposite rudder to keep the airplane's longitudinal axis aligned with the runway centerline.
11. Smoothly apply backpressure to dissipate airspeed without increasing altitude, allowing the airplane to touchdown at the minimum possible airspeed (close to stall speed).
12. Use of proper crosswind technique will allow for touchdown on the upwind main gear first, followed by the downwind main gear and finally the nose gear.
13. Touchdown at or beyond (of the selected touchdown point):
 - 200' (private);
 - 100' (commercial)
14. Once all three wheels have touched down, retract the flaps and smoothly apply brakes.
15. Use backpressure on the yoke to aid in aerodynamic braking.
16. As the airplane decelerates, increase aileron into the wind and maintain directional control with the rudder as necessary to remain on the centerline.
17. Slow to normal taxi speed before taxiing clear of the runway.
18. Complete the '**AFTER LANDING**' checklist after exiting the runway.

SHORT-FIELD APPROACH AND LANDING ***(continued)***

COMPLETION Private Pilot P.T.S. FAA-S-8081-14AM
STANDARDS: Commercial Pilot P.T.S. FAA-S-8081-12B
Flight Instructor Multiengine P.T.S. FAA-S-8081-
6BM