

4h

Crosswind Landing

Lesson Objective

The student must be able to land with slight to moderate cross-winds. The pilot must exhibit control to maintain runway centerline on approach, flare, and touchdown. On landing and roll-out, the candidate must maintain runway centerline, despite the crosswind. The candidate may use slip or crab to correct for the crosswind component on the approach.

Regulatory Requirement

- Pre-Solo: [§61.87\(i\)\(16\)](#)
- Private Practical Candidate: [PTS IV-Q](#)

Content

- Crab to correct for crosswind
- Forward Slip
- Side-Slip to correct for crosswind

Completion Standards

To determine that the applicant:

- Exhibits knowledge of the elements related to normal and crosswind approach and landing procedures.
- Adjusts flaps, spoilers, or dive brakes, as appropriate.
- Maintains recommended approach airspeed, +10/-5 knots.
- Maintains crosswind correction and directional control throughout the approach and landing.
- Makes smooth, timely, and positive control application during the roundout and touchdown.
- Touches down smoothly within the designated landing area, with no appreciable drift, and with the longitudinal axis aligned with the desired landing path, stopping short of and within 200 feet (120 meters) of a designated point.
- Maintains control during the after-landing roll
- Completes appropriate checklists

Simulator Practice

Complete lessons as detailed in the [Condor Lesson Plans](#)

- 10a Crosswind Landing

Homework for Pre-Solo

- "Glider Flight Training Manual" by Thomas Knauff pages 112-114 and 178-182
- [Video](#) (4:17 minutes) Crosswind landing, Condor Simulator, Soaring Safety Foundation

Homework for Solo to Private

- [Glider Flying Handbook](#) (2013) -- "Slips" page 3-16 and 3-17
 - "Wind" page 5-3 through 5-6
 - "Crosswind Landing" page 7-25
 - "Slips", page 7-25 through 7-27

Further Reading

- [CFIG Lesson Plan Notes](#)

Next Lesson: [4i -- Unassisted Takeoff](#)

Previous Lesson: [4g -- Crosswind Takeoff](#)

Return to [Training Syllabus](#)