

Minimum Controllable Airspeed

3d

Lesson Objective

The student will learn how to fly the glider on the cusp of a stall -- without allowing the glider to actually stall. If performed correctly, the glider will show many or all of the six signs of a stall. Also, the student will be expected to perform shallow-banked turns while flying in Minimum Controllable Airspeed (MCA).

Regulatory Requirement

- [§61.87\(i\)\(8\)](#)
- Private Pilot [Practical Test Standard](#) V-A
- Private Pilot [Practical Test Standard](#) IX-A

Content

- Performance of the glider at MCA in level flight and turns.
- Performance of the glider at MCA without causing the aircraft to stall.
- Performance of the glider at MCA while showing the six signs of a stall (without stalling).

Completion Standards

The student must be able to perform

- Appropriate clearing turns before the maneuver
- MCA in level flight and turns

Simulator Practice

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

- 1c Slow Flight

Homework for Pre-Solo

- "Glider Flight Training Manual" by Thomas Knauff pages 81-86
 - **Memory Items**: Six signs of impending stall page 70

Homework for Solo to Private

- [Glider Flying Handbook](#), page 7-32, "Signs of an impending stall will include..."
- [Glider Flying Handbook](#), page 7-31 Maneuvering at Minimum Controllable Airspeed

Further Reading

- [CFIG Lesson Plan Notes](#)

Next Lesson: [3e -- Turns to Heading](#)

Previous Lesson: [3c -- Traffic Pattern](#)

Return to [Training Syllabus](#)