

Flight Instructor Airplane Multiengine

Slow Flight, Stalls, Steep Turns and Emergency Procedures

Scenario:

You have a student who is having problems performing slow flight and recognizing stalls. You are going to give a lesson to try to find the problem areas. In addition, you are going to review some of the emergency procedures that your student is going to have to demonstrate on the practical test.

Lesson Objectives:

The student instructor will demonstrate the ability to perform, teach and analyze slow flight, various stall maneuvers, steep turns, emergency descents and various systems and equipment malfunctions.

Pre-Briefing:

The student instructor will review the desired outcomes, discuss the scenario for the flight, and discuss the key elements of each maneuver to be flown. The student instructor will develop a lesson plan that describes and utilizes the scenario prescribed for this lesson. During the preflight briefing, the instructor will play the role of the student being trained and respond accordingly.

The student instructor should be able to explain the risks associated with demonstrating and practicing stalls and slow flight in a multiengine airplane, including minimum safe altitudes, and while in the traffic pattern doing takeoffs and landings and describe how to mitigate those risks. The student instructor should teach emergency equipment and survival gear to the instructor in the role of the student being trained .

Completion Standards:

This lesson will be complete when the student instructor can perform, teach and analyze each maneuver to the level shown on the desired outcome table and within the tolerances specified by the Flight Instructor Practical Test Standard for Airplane, Multiengine.

FI-AME- Slow Flight, Stalls, Steep Turns, and Emergency Procedures			Task Grades					SRM Grades	
			Not Observed	Describe	Explain	Practice	Perform	Explain	Practice/Decide
Scenario Activities		Task	Desired Performance						
Preflight Lesson on a Maneuver to be Performed in Flight.	Maneuver Lesson								
	SRM								
Preflight Procedures	Preflight Inspection								
	Engine Starting								
	Taxiing								
	Before Takeoff Check								
	SRM								
Airport Operations	Radio Communications and ATC Light Signals								
	Traffic Patterns								
	Airport, Runway, and Taxiway Signs, Markings, and Lighting								
	SRM								
Takeoffs and Departure	Normal and Crosswind Takeoff and Climb								
	Airport Departure Procedures								
	SRM								
Performance Maneuvers	Steep Turns								
Slow Flight and Stalls	Maneuvering During Slow Flight								
	Power-On Stalls								
	Power-Off Stalls								
	Accelerated Maneuver Stalls (Demonstration)								
	SRM								
Emergency Procedures	Systems and Equipment Malfunction								
	Emergency Equipment and Survival Gear								
	Emergency Descent								
	SRM								
Arrival and Landings	Normal and Crosswind Approach and Landing								
	SRM								
Post Flight Procedures	Postflight Procedures								
	SRM								

De-Briefing:

The debriefing will be lead by the student instructor using the Learner-Centered Grading method. The student instructor will critique the instructor about the instructor's "simulated student" performance. Then the student instructor will critique his/her own performance using the Desired Outcomes Grading sheet as a guide. The instructor and student instructor will discuss any discrepancies in their respective evaluations.

Notes to the Instructor:

The student instructor is learning how to prepare and to present effective scenario-based instruction. The student instructor may not have received scenario-based instruction and may need to review the information provided on the FAA/FITS website to gain a full understanding of the instructional process and its value.

The student instructor should develop a lesson plan that incorporates this scenario and conduct the flight in accordance with that plan. You should review this lesson plan during the preflight briefing and make any suggestions for improvement at that time.

In the Desired Outcomes Grade Sheet, the Accelerated Maneuvers Stall (Demonstration) is listed this way in the Flight Instructor Practical Test Standards-Airplane Multiengine. The student instructor is expected to demonstrate, teach, and/or analyze this maneuver as required by the individual task requirement.

The risks associated with practicing these maneuvers in a multiengine airplane should be discussed and appropriate measures taken to mitigate those risks, including the establishment of minimum altitudes for each maneuver.

You should assume the role of the student who is having trouble performing slow flight and stall maneuvers. When the student instructor asks you to perform a particular maneuver, do so with an error or mistake that might show a misunderstanding of how the maneuver is to be performed. If the student instructor provides correct instruction to remedy the problem, demonstrate the maneuver correctly. At various points during the scenario, you should ask the student instructor to demonstrate to you the proper way to perform the maneuver. At some point, the student instructor should initiate an emergency and evaluate your performance executing the proper procedures

When you get to the demonstration stall as defined in the PTS, the student instructor should be able to demonstrate each of them in accordance with the standards in the PTS.