


Cockpit Management

Objective	
<p>To ensure the applicant learns the purpose of and can exhibit a clear understanding of cockpit management, passenger briefings, and the basics of single-pilot resource management (SRM).</p>	
Purpose <p>The FAA requires pilots to brief all passengers on certain items before every flight, but there are many more things pilots should do before each flight to promote safety and reduce workload. This lesson introduces pilots to the basics of cockpit management, passenger briefings, and single-pilot resource management (SRM).</p>	
Schedule	Equipment
<ul style="list-style-type: none"> ● Ground Lesson: 5 minutes - <i>In the airplane</i> ● Initial <ul style="list-style-type: none"> ■ Before Flight: 5 minutes - <i>Introduction and Demonstration</i> ● Every Flight <ul style="list-style-type: none"> ■ Before Flight: 5 minutes - <i>Student Performs</i> 	<ul style="list-style-type: none"> ● Airplane Checklist
Student Actions	Instructor Actions
<ul style="list-style-type: none"> ● Ask any questions, receive study material for the next lesson. ● Watch linked video. ● Review listed references. 	<ul style="list-style-type: none"> ● Deliver the ground lesson (below). ● Demonstrate the procedures before flight. ● Debrief after each flight.
Completion Standards	
<ul style="list-style-type: none"> ● Ground: Student can the purpose of cockpit management, passenger briefings, and SRM. ● Flight: Student can prepare the cockpit and passengers for flight by: <ul style="list-style-type: none"> ● Giving a passenger briefing that includes how to operate the safety belts, doors, windows, and emergency procedures. ● Organizing the items that the pilot will need during the flight within easy reach before engine start. ● Utilize all available resources to reduce workload. 	

References

- FLY8MA.com Flight Training - “Ep. 123: Passenger Safety Briefing”
 - YouTube - <https://www.youtube.com/watch?v=-b69-1qn6p4>
- FAA-H-8083-3B (Airplane Flying Handbook) - Chapter 2, Page 11 [Resource Management]
- FAA-S-ACS-6B (Private Pilot ACS) - Area II Task B
- FAA-S-ACS-7A (Commercial Pilot ACS) - Area II Task B
- FAA-S-8081-6D (CFI PTS) - Area V Task B

Ground Lesson Outline

- Proper Arranging and Securing of Cockpit
 - Ensure Essential Materials are Reachable
 - No Loose Items on Glareshield, Floor, etc.
 - Ensure Controls Can Move Freely
- Use of Safety Belts - Including shoulder harness
 - Required for Passengers during Takeoff, Landing, and Ground Movement - § 91.107
 - Required for Crew, including shoulder harness during takeoff/landing - § 91.105
- Passenger Safety Briefing
 - How to Secure Doors, Windows
 - How to Operate Safety Belts and Shoulder Harnesses
 - Remaining clear of flight controls including rudder pedals
 - What to do in case of Emergency
- Flying with Other Pilots
 - Brief who is Pilot in Command
- Single-Pilot Resource Management
 - Use all available resources - ATC, Weather Briefers, etc. Even ask passengers to help scan for traffic.

Common Errors

- Failure to place and secure essential materials and equipment for easy access during flight.
- **Failure to properly adjust cockpit items, such as safety belts, shoulder harnesses, rudder pedals, and seats.**
- Failure to provide proper adjustment of equipment and controls.
- **Failure to provide occupant briefing on emergency procedures and use of safety belts.**
- Failure to utilize all resources required to operate a flight safely.