


Flight Deck Management

Objective	
<p>To ensure the applicant learns the purpose of and can exhibit a clear understanding of flight deck 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 flight deck 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 ● Tablet / EFB Software (optional)
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 flight deck 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. ● Exhibit SRM by utilizing all available resources and automation to reduce workload, including checklists. 	

References

- FLY8MA.com Flight Training - “Ep. 123: Passenger Safety Briefing”
 - YouTube - <https://www.youtube.com/watch?v=-b69-1qn6p4>
- FAA-H-8083-3C (Airplane Flying Handbook) - Chapter 2, Page 12-14 [Risk and Resource Management]
- FAA-S-ACS-6C (Private Pilot ACS) - Area II Task B
- FAA-S-ACS-7B (Commercial Pilot ACS) - Area II Task B
- FAA-S-ACS-25 (CFI ACS) - Area V Task B

Ground Lesson Outline

- Proper Arranging and Securing of Cockpit and Cabin
 - Ensure Essential Materials are Reachable
 - No Loose Items on Glareshield, Floor, etc.
 - Secure Cargo
 - 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
 - Acceptable Passenger Conduct during the Flight - Distractions / Critical Phases of Flight
 - Remaining clear of flight controls including rudder pedals
 - Propeller blade avoidance
 - Use of Portable Electronic Devices
 - What to do in case of Emergency
- Flying with Other Pilots
 - Brief who is Pilot in Command
- Single-Pilot Resource Management
 - Importance of proper checklist usage
 - Importance of current and appropriate navigation data (Download EFB updates, etc)
 - Use all available resources - ATC, Weather Briefers, etc. Even ask passengers to help scan for traffic.
 - Proper use of automation - autopilot, etc.

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.
- Failure to use proper SRM or ADM.