

## VII. Slow Flight and Stalls

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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Task</b>            | <b><i>D. Spin Awareness</i></b>                                                                                                                                                                                                              |
| <b>References</b>      | FAA-H-8083-2, FAA-H-8083-3; AC 61-67; POH/AFM                                                                                                                                                                                                |
| <b>Objective</b>       | To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with spins, flight situations where unintentional spins may occur and procedures for recovery from unintentional spins.              |
| <b>Knowledge</b>       | The applicant demonstrates understanding of:                                                                                                                                                                                                 |
| <i>PA.VII.D.K1</i>     | Aerodynamics associated with spins in various aircraft configurations, to include the relationship between angle of attack, airspeed, load factor, power setting, aircraft weight and center of gravity, aircraft attitude, and yaw effects. |
| <i>PA.VII.D.K2</i>     | What causes a spin and how to identify the entry, incipient, and developed phases of a spin.                                                                                                                                                 |
| <i>PA.VII.D.K3</i>     | Spin recovery procedure.                                                                                                                                                                                                                     |
| <b>Risk Management</b> | The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:                                                                                                                                                 |
| <i>PA.VII.D.R1</i>     | Factors and situations that could lead to inadvertent spin and loss of control.                                                                                                                                                              |
| <i>PA.VII.D.R2</i>     | Range and limitations of stall warning indicators (e.g., aircraft buffet, stall horn, etc.).                                                                                                                                                 |
| <i>PA.VII.D.R3</i>     | Improper spin recovery procedure.                                                                                                                                                                                                            |
| <i>PA.VII.D.R4</i>     | Effect of environmental elements on aircraft performance related to spins (e.g., turbulence, microbursts, and high density altitude).                                                                                                        |
| <i>PA.VII.D.R5</i>     | Collision hazards, to include aircraft, terrain, obstacles, and wires.                                                                                                                                                                       |
| <i>PA.VII.D.R6</i>     | Distractions, loss of situational awareness, and/or improper task management.                                                                                                                                                                |
| <b>Skills</b>          | [Intentionally left blank.]                                                                                                                                                                                                                  |