

VIII. Basic Instrument Maneuvers

Task	A. <i>Straight-and-Level Flight</i>
References	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-15
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with flying during straight-and-level flight solely by reference to instruments.
Knowledge	The applicant demonstrates understanding of:
<i>PA.VIII.A.K1</i>	Flight instruments as related to:
<i>PA.VIII.A.K1a</i>	a. Sensitivity, limitations, and potential errors in unusual attitudes
<i>PA.VIII.A.K1b</i>	b. Correlation (pitch instruments/bank instruments)
<i>PA.VIII.A.K1c</i>	c. Function and operation
<i>PA.VIII.A.K1d</i>	d. Proper instrument cross-check techniques
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.VIII.A.R1</i>	Instrument flying hazards to include failure to maintain VFR, spatial disorientation, loss of control, fatigue, stress, and emergency off airport landings.
<i>PA.VIII.A.R2</i>	Failure to seek assistance or declare an emergency in a deteriorating situation.
<i>PA.VIII.A.R3</i>	Collision hazards, to include aircraft, terrain, obstacles, and wires.
<i>PA.VIII.A.R4</i>	Distractions, loss of situational awareness, or improper task management.
Skills	The applicant demonstrates the ability to:
<i>PA.VIII.A.S1</i>	Maintain straight-and-level flight using proper instrument cross-check and interpretation, and coordinated control application.
<i>PA.VIII.A.S2</i>	Maintain altitude ± 200 feet, heading $\pm 20^\circ$, and airspeed ± 10 knots.