

## VIII. Basic Instrument Maneuvers

<b>Task</b>	<b>A. <i>Straight-and-Level Flight</i></b>
<b>References</b>	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-15
<b>Objective</b>	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.
<b>Knowledge</b>	The applicant demonstrates understanding of:
<i>PA.VIII.A.K1</i>	Flight instruments as related to:
<i>PA.VIII.A.K1a</i>	a. <b>Sensitivity, limitations, and potential errors in unusual attitudes</b>
<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. <b>Proper instrument cross-check techniques</b>
<b>Risk Management</b>	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>	<b>Failure to seek assistance or declare an emergency in a deteriorating situation.</b>
<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.
<b>Skills</b>	The applicant demonstrates the ability to:
<i>PA.VIII.A.S1</i>	<b>Maintain straight-and-level flight using proper instrument cross-check and interpretation, and coordinated control application.</b>
<i>PA.VIII.A.S2</i>	<b>Maintain altitude <math>\pm 200</math> feet, heading <math>\pm 20^\circ</math>, and airspeed <math>\pm 10</math> knots.</b>