

VIII. Basic Instrument Maneuvers

Task	B. Constant Airspeed Climbs
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 attitude instrument flying during constant airspeed climbs solely by reference to instruments.
Knowledge	The applicant demonstrates understanding of:
<i>PA.VIII.B.K1</i>	Flight instruments as related to:
<i>PA.VIII.B.K1a</i>	a. Sensitivity, limitations, and potential errors in unusual attitudes
<i>PA.VIII.B.K1b</i>	b. Correlation (pitch instruments/bank instruments)
<i>PA.VIII.B.K1c</i>	c. Function and operation
<i>PA.VIII.B.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.B.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.B.R2</i>	Failure to seek assistance or declare an emergency in a deteriorating situation.
<i>PA.VIII.B.R3</i>	Collision hazards, to include aircraft, terrain, obstacles, and wires.
<i>PA.VIII.B.R4</i>	Distractions, loss of situational awareness, or improper task management.
Skills	The applicant demonstrates the ability to:
<i>PA.VIII.B.S1</i>	Transition to the climb pitch attitude and power setting on an assigned heading using proper instrument cross-check and interpretation, and coordinated flight control application.
<i>PA.VIII.B.S2</i>	Climb at a constant airspeed to specific altitudes in straight flight and turns.
<i>PA.VIII.B.S3</i>	Level off at the assigned altitude and maintain altitude ± 200 feet, heading $\pm 20^\circ$, and airspeed ± 10 knots.