

## VIII. Basic Instrument Maneuvers

<b>Task</b>	<b>F. Radio Communications, Navigation Systems/Facilities, and Radar Services</b>
<b>References</b>	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-15, FAA-H-8083-25
<b>Objective</b>	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with radio communications, navigation systems/facilities, and radar services available for use during flight solely by reference to instruments.
<b>Knowledge</b>	The applicant demonstrates understanding of:
<i>PA.VIII.F.K1</i>	Operating communications equipment to include identifying and selecting radio frequencies, requesting and following ATC instructions.
<i>PA.VIII.F.K2</i>	Operating navigation equipment to include functions and displays, and following bearings, radials, or courses.
<i>PA.VIII.F.K3</i>	Air traffic control facilities and services.
<b>Risk Management</b>	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.VIII.F.R1</i>	Failure to seek assistance or declare an emergency in a deteriorating situation.
<i>PA.VIII.F.R2</i>	Failure to utilize all available resources (e.g., automation, ATC, and flight deck planning aids).
<b>Skills</b>	The applicant demonstrates the ability to:
<i>PA.VIII.F.S1</i>	Maintain airplane control while selecting proper communications frequencies, identifying the appropriate facility, and managing navigation equipment.
<i>PA.VIII.F.S2</i>	Comply with ATC instructions.
<i>PA.VIII.F.S3</i>	Maintain altitude $\pm 200$ feet, heading $\pm 20^\circ$ , and airspeed $\pm 10$ knots.