

## I. Preflight Preparation

<b>Task</b>	<b>G. Operation of Systems</b>
<b>References</b>	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-23, FAA-H-8083-25; POH/AFM.
<b>Objective</b>	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with the safe operation of systems on the airplane provided for the flight test.
<b>Knowledge</b>	The applicant demonstrates understanding of:
<i>PA.I.G.K1</i>	Airplane systems, to include: <b>Note:</b> <i>If K1 is selected, the evaluator must assess the applicant's knowledge of at least three of the following sub-elements.</i>
<i>PA.I.G.K1a</i>	a. Primary flight controls
<i>PA.I.G.K1b</i>	b. Secondary flight controls
<i>PA.I.G.K1c</i>	c. Powerplant and propeller
<i>PA.I.G.K1d</i>	d. Landing gear
<i>PA.I.G.K1e</i>	e. Fuel, oil, and hydraulic
<i>PA.I.G.K1f</i>	f. Electrical
<i>PA.I.G.K1g</i>	g. Avionics
<i>PA.I.G.K1h</i>	h. Pitot-static, vacuum/pressure, and associated flight instruments
<i>PA.I.G.K1i</i>	i. Environmental
<i>PA.I.G.K1j</i>	j. Deicing and anti-icing
<i>PA.I.G.K1k</i>	k. Water rudders (ASES, AMES)
<i>PA.I.G.K1l</i>	l. Oxygen system
<i>PA.I.G.K2</i>	Indications of and procedures for managing system abnormalities or failures.
<b>Risk Management</b>	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.G.R1</i>	Failure to detect system malfunctions or failures.
<i>PA.I.G.R2</i>	Improper management of a system failure.
<i>PA.I.G.R3</i>	Failure to monitor and manage automated systems.
<b>Skills</b>	The applicant demonstrates the ability to:
<i>PA.I.G.S1</i>	Operate at least three of the systems listed in K1a through K1l above appropriately.
<i>PA.I.G.S2</i>	Use appropriate checklists properly.