

I. Preflight Preparation

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Task	A. Pilot Qualifications
References	14 CFR parts 61, 68, 91; FAA-H-8083-2, FAA-H-8083-25; AC 68-1
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with airman and medical certificates including privileges, limitations, currency, and operating as pilot-in-command (PIC) as a private pilot.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.A.K1</i>	Certification requirements, recent flight experience, and recordkeeping.
<i>PA.I.A.K2</i>	Privileges and limitations.
<i>PA.I.A.K3</i>	Medical certificates: class, expiration, privileges, temporary disqualifications.
<i>PA.I.A.K4</i>	Documents required to exercise private pilot privileges.
<i>PA.I.A.K5</i>	Part 68 BasicMed privileges and limitations.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.A.R1</i>	Failure to distinguish proficiency versus currency.
<i>PA.I.A.R2</i>	Flying unfamiliar airplanes, or operating with unfamiliar flight display systems, and avionics.
Skills	The applicant demonstrates the ability to:
<i>PA.I.A.S1</i>	Apply requirements to act as PIC under Visual Flight Rules (VFR) in a scenario given by the evaluator.

Are you FAA qualified to fly the airplane?

(see below)

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Task	B. Airworthiness Requirements
References	14 CFR parts 39, 43, 91; FAA-H-8083-2, FAA-H-8083-25
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with airworthiness requirements, including airplane certificates.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.B.K1</i>	General airworthiness requirements and compliance for airplanes, including:
<i>PA.I.B.K1a</i>	a. Certificate location and expiration dates
<i>PA.I.B.K1b</i>	b. Required inspections and airplane logbook documentation
<i>PA.I.B.K1c</i>	c. Airworthiness Directives and Special Airworthiness Information Bulletins
<i>PA.I.B.K1d</i>	d. Purpose and procedure for obtaining a special flight permit
<i>PA.I.B.K2</i>	Pilot-performed preventive maintenance.
<i>PA.I.B.K3</i>	Equipment requirements for day and night VFR flight, to include:
<i>PA.I.B.K3a</i>	a. Flying with inoperative equipment
<i>PA.I.B.K3b</i>	b. Using an approved Minimum Equipment List (MEL)
<i>PA.I.B.K3c</i>	c. Kinds of Operation Equipment List (KOEL)
<i>PA.I.B.K3d</i>	d. Required discrepancy records or placards
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.B.R1</i>	Inoperative equipment discovered prior to flight.
Skills	The applicant demonstrates the ability to:
<i>PA.I.B.S1</i>	Locate and describe airplane airworthiness and registration information.
<i>PA.I.B.S2</i>	Determine the airplane is airworthy in a scenario given by the evaluator.
<i>PA.I.B.S3</i>	Apply appropriate procedures for operating with inoperative equipment in a scenario given by the evaluator.

Is the aircraft "airworthy" are you sure?
You must prove it to the examiner.

(see more below)

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Task	C. Weather Information
References	14 CFR part 91; FAA-H-8083-25; AC 00-6, AC 00-45, <u>AC 00-54</u> ; AIM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with weather information for a flight under VFR.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.C.K1</i>	Sources of weather data (e.g., National Weather Service, Flight Service) for flight planning purposes.
<i>PA.I.C.K2</i>	Acceptable weather products and resources required for preflight planning, current and forecast weather for departure, en route, and arrival phases of flight.
<i>PA.I.C.K3</i>	Meteorology applicable to the departure, en route, alternate, and destination under VFR in Visual Meteorological Conditions (VMC) to include expected climate and hazardous conditions such as:
<i>PA.I.C.K3a</i>	a. Atmospheric composition and stability
<i>PA.I.C.K3b</i>	b. Wind (e.g., crosswind, tailwind, windshear, <u>mountain wave</u> , etc.)
<i>PA.I.C.K3c</i>	c. Temperature
<i>PA.I.C.K3d</i>	d. Moisture/precipitation
<i>PA.I.C.K3e</i>	e. Weather system formation, including air masses and fronts
<i>PA.I.C.K3f</i>	f. Clouds
<i>PA.I.C.K3g</i>	g. Turbulence
<i>PA.I.C.K3h</i>	h. Thunderstorms and microbursts
<i>PA.I.C.K3i</i>	i. Icing and freezing level information
<i>PA.I.C.K3j</i>	j. Fog/mist
<i>PA.I.C.K3k</i>	k. Frost
<i>PA.I.C.K3l</i>	l. Obstructions to visibility (e.g., smoke, haze, volcanic ash, etc.)
<i>PA.I.C.K4</i>	Flight deck displays of digital weather and aeronautical information.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.C.R1</i>	Factors involved in making the go/no-go and continue/divert decisions, to include:
<i>PA.I.C.R1a</i>	a. Circumstances that would make diversion prudent
<i>PA.I.C.R1b</i>	b. Personal weather minimums
<i>PA.I.C.R1c</i>	c. Hazardous weather conditions to include known or forecast icing or turbulence aloft
<i>PA.I.C.R2</i>	Limitations of:
<i>PA.I.C.R2a</i>	a. Onboard weather equipment
<i>PA.I.C.R2b</i>	b. Aviation weather reports and forecasts
<i>PA.I.C.R2c</i>	c. Inflight weather resources
Skills	The applicant demonstrates the ability to:
<i>PA.I.C.S1</i>	<u>Use available aviation weather resources to obtain an adequate weather briefing.</u>
<i>PA.I.C.S2</i>	<u>Analyze the implications of at least three of the conditions listed in K3a through K3l above, using actual weather or weather conditions in a scenario provided by the evaluator.</u>
<i>PA.I.C.S3</i>	<u>Correlate weather information to make a competent go/no-go decision.</u>

Is the weather suitable for today's flight do you have an out? Go, no Go is a very hard decision!

(see more below)

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Task	D. Cross-Country Flight Planning
References	14 CFR part 91; FAA-H-8083-2, FAA-H-8083-25; Navigation Charts; Chart Supplements; AIM; NOTAMs
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with cross-country flights and VFR flight planning.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.D.K1</i>	Route planning, including consideration of different classes and special use airspace (SUA) and selection of appropriate and available navigation/communication systems and facilities.
<i>PA.I.D.K2</i>	Altitude selection accounting for terrain and obstacles, glide distance of the airplane, VFR cruising altitudes, and the effect of wind.
<i>PA.I.D.K3</i>	Calculating:
<i>PA.I.D.K3a</i>	a. Time, climb and descent rates, course, distance, heading, true airspeed, and groundspeed
<i>PA.I.D.K3b</i>	b. Estimated time of arrival to include conversion to universal coordinated time (UTC)
<i>PA.I.D.K3c</i>	c. Fuel requirements, to include reserve
<i>PA.I.D.K4</i>	Elements of a VFR flight plan.
<i>PA.I.D.K5</i>	Procedures for activating and closing a VFR flight plan.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.D.R1</i>	Pilot.
<i>PA.I.D.R2</i>	Aircraft.
<i>PA.I.D.R3</i>	Environment (e.g., weather, airports, airspace, terrain, obstacles).
<i>PA.I.D.R4</i>	External pressures.
<i>PA.I.D.R5</i>	Limitations of air traffic control (ATC) services.
<i>PA.I.D.R6</i>	Improper fuel planning.
Skills	The applicant demonstrates the ability to:
<i>PA.I.D.S1</i>	Prepare, present, and explain a cross-country flight plan assigned by the evaluator including a risk analysis based on real-time weather, to the first fuel stop.
<i>PA.I.D.S2</i>	Apply pertinent information from appropriate and current aeronautical charts, Chart Supplements; NOTAMs relative to airport, runway and taxiway closures; and other flight publications.
<i>PA.I.D.S3</i>	Create a navigation plan and simulate filing a VFR flight plan.
<i>PA.I.D.S4</i>	Recalculate fuel reserves based on a scenario provided by the evaluator.

Have you adequately planned your trip? You must research any NOTAMS-TFRs. You need to know the longest runway length at the airport you are planning to land, frequencies, pattern, and you need a map showing the taxiways and runways.

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Task	E. National Airspace System
References	14 CFR parts 71, 91, 93; FAA-H-8083-2; Navigation Charts; AIM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with the National Airspace System (NAS) operating under VFR as a private pilot.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.E.K1</i>	Types of airspace/airspace classes and associated requirements and limitations.
<i>PA.I.E.K2</i>	Charting symbology.
<i>PA.I.E.K3</i>	Special use airspace (SUA), special flight rules areas (SFRA), temporary flight restrictions (TFR), and other airspace areas.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.E.R1</i>	Various classes and types of airspace.
Skills	The applicant demonstrates the ability to:
<i>PA.I.E.S1</i>	Identify and comply with the requirements for basic VFR weather minimums and flying in particular classes of airspace.
<i>PA.I.E.S2</i>	Correctly identify airspace and operate in accordance with associated communication and equipment requirements.
<i>PA.I.E.S3</i>	Identify the requirements for operating in SUA or within a TFR. Identify and comply with SATR and SFRA operations, if applicable.

You must know the "abc's" of airspace.

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Task	F. Performance and Limitations
References	FAA-H-8083-1, FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-25; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with operating an airplane safely within the parameters of its performance capabilities and limitations.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.F.K1</i>	Elements related to performance and limitations by explaining the use of charts, tables, and data to determine performance.
<i>PA.I.F.K2</i>	Factors affecting performance, to include:
<i>PA.I.F.K2a</i>	a. Atmospheric conditions
<i>PA.I.F.K2b</i>	b. Pilot technique
<i>PA.I.F.K2c</i>	c. Airplane configuration
<i>PA.I.F.K2d</i>	d. Airport environment
<i>PA.I.F.K2e</i>	e. Loading (e.g., center of gravity)
<i>PA.I.F.K2f</i>	f. Weight and balance
<i>PA.I.F.K3</i>	Aerodynamics.
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.I.F.R1</i>	Inaccurate use of manufacturer's performance charts, tables, and data.
<i>PA.I.F.R2</i>	Exceeding airplane limitations.
<i>PA.I.F.R3</i>	Possible differences between calculated performance and actual performance.
Skills	The applicant demonstrates the ability to:
<i>PA.I.F.S1</i>	Compute the weight and balance, correct out-of-center of gravity (CG) loading errors and determine if the weight and balance remains within limits during all phases of flight.
<i>PA.I.F.S2</i>	Utilize the appropriate airplane manufacturer's approved performance charts, tables, and data.

The "pilot-in-command" is the only person responsible for the safety of the flight. This means calculating weight & balance on every flight, this means checklists, this means reviewing performance charts and anything else concerning the safety of the flight.

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Task	G. Operation of Systems
References	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-23, FAA-H-8083-25; POH/AFM.
Objective	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.
Knowledge	The applicant demonstrates understanding of:
<i>PA.I.G.K1</i>	Airplane systems, to include: Note: <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.
Risk Management	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.
Skills	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.

Please review and understand how each of these systems mentioned above work. Checklists are taken very seriously.

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