

I. Preflight Preparation

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>	Use available aviation weather resources to obtain an adequate weather briefing.
<i>PA.I.C.S2</i>	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.
<i>PA.I.C.S3</i>	Correlate weather information to make a competent go/no-go decision.