

II. Preflight Procedures

Task	F. Before Takeoff Check
References	FAA-H-8083-2, FAA-H-8083-3, FAA-H-8083-23; POH/AFM
Objective	To determine that the applicant exhibits satisfactory knowledge, risk management, and skills associated with the before takeoff check.
Knowledge	The applicant demonstrates understanding of:
<i>PA.II.F.K1</i>	Purpose of pre-takeoff checklist items including:
<i>PA.II.F.K1a</i>	a. Reasons for checking each item
<i>PA.II.F.K1b</i>	b. Detecting malfunctions
<i>PA.II.F.K1c</i>	c. Ensuring the airplane is in safe operating condition as recommended by the manufacturer
Risk Management	The applicant demonstrates the ability to identify, assess and mitigate risks, encompassing:
<i>PA.II.F.R1</i>	Division of attention while conducting pre-flight checks.
<i>PA.II.F.R2</i>	Unexpected runway changes by ATC.
<i>PA.II.F.R3</i>	Wake turbulence.
<i>PA.II.F.R4</i>	A powerplant failure during takeoff or other malfunction considering operational factors such as airplane characteristics, runway/takeoff path length, surface conditions, environmental conditions, and obstructions.
Skills	The applicant demonstrates the ability to:
<i>PA.II.F.S1</i>	Review takeoff performance.
<i>PA.II.F.S2</i>	Complete the appropriate checklist.
<i>PA.II.F.S3</i>	Position the airplane appropriately considering other aircraft, vessels, and wind.
<i>PA.II.F.S4</i>	Divide attention inside and outside the flight deck.
<i>PA.II.F.S5</i>	Verify that engine parameters and airplane configuration are suitable.