

II. Preflight Procedures

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| 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: |
| PA.II.F.K1 | Purpose of pre-takeoff checklist items including: |
| PA.II.F.K1a | a. Reasons for checking each item |
| PA.II.F.K1b | b. Detecting malfunctions |
| PA.II.F.K1c | 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: |
| PA.II.F.R1 | Division of attention while conducting pre-flight checks. |
| PA.II.F.R2 | Unexpected runway changes by ATC. |
| PA.II.F.R3 | Wake turbulence. |
| PA.II.F.R4 | 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: |
| PA.II.F.S1 | Review takeoff performance. |
| PA.II.F.S2 | Complete the appropriate checklist. |
| PA.II.F.S3 | Position the airplane appropriately considering other aircraft, vessels, and wind. |
| PA.II.F.S4 | Divide attention inside and outside the flight deck. |
| PA.II.F.S5 | Verify that engine parameters and airplane configuration are suitable. |

***This item is important. What if take-off performance is less than "stellar"?
Verify powerplant performance on take-off.***