

Phase 7 Progress Check Standards Rev 7.0

Part 61 & 141 Private Pilot Certification Courses

Purpose:

The purpose of this document is to create common expectations among students, instructors, and check instructors as to the standards of knowledge, single-pilot resource management, and skill required for the various elements outlined in the Phase 7 Progress Check. This document augments the reference document “CPPTCS: Phase 7 Progress Check Checklist” by providing additional detail intended to reduce ambiguity and to focus scope of the progress check.

Time Expectations: 4.0 hours + up to 1 hour report preparation

Pre/Post-Flight Briefings: 0.5 hours

Oral: 1.5 hours

Observed Preflight Inspection: N/A

Flight Time: 2.0 hours

Mixture Control:

Mixture will be leaned in accordance with *TWA engine management procedures* document (latest revision).

Check Instructor Responsibilities and Expectations:

The full list of responsibilities and expectations for check instructors are outlined in the *TWA check instructor expectations* document (latest revision).

Approved Check Instructors

The full list of check instructors available to conduct this check are outlined in the *CFI Fleet Qualifications and Stage Check Pilots* document (latest revision).

Definitions:

Describe: The candidate will be able to describe the physical characteristics of the task at a **rote level**.

Explain: The candidate will be able to describe the task and **display an understanding** of the concept, principles, & procedures.

Practice: coaching, instruction, and/or **assistance from the check instructor** will be required to meet the task standards.

Perform: **no intervention** from the check instructor is required and the **successful completion** of the activity in **not in doubt**.

Manage/Decide: **no intervention** from the check instructor is required for the candidate to **gather** the most important **data** available within and outside the cockpit, **identify** possible **courses of action**, **evaluate** the **risk** inherent in each course of action, and **make** the appropriate **decision**.

References:

1. Cessna Private Pilot Training Course Syllabus: Phase 7 Progress Check Checklists (latest revision)
2. Pilot’s Operating Handbook, Cessna C172S

Phase 7 Progress Check

7A. Oral <i>Note: the check instructor will develop a scenario to help assess the candidate's knowledge. He or she shall select at least the minimum number of knowledge elements listed in the applicable knowledge header</i> <i>Desired outcome for all oral tasks of the Progress Check is "Explain"</i>	Describe	Explain
7A1. Review assigned cross-country flight planning (all elements)		
a. Flight publications and currency <i>Utilizes current flight publications (e.g. Sectional and/or TAC, Chart Supplement, NOTAMs)</i>		
b. Route/Altitude selection <i>Safe routing free from obstructions and hazardous weather</i> <i>Proper altitude considering terrain, airspace, winds, VFR cruising altitudes, etc.</i>		
c. Weight and balance <i>Performs correct weight and balance calculations (plan for student pilot going solo with expected equipment and fuel)</i>		
d. Cross-country flight planning and performance (based on calculated W&B) <i>Top of climb calculation based on POH & winds aloft</i> <i>Ability to calculate pressure altitude & determine standard temperature at cruise altitude</i> <i>Correct use of cruise performance charts to determine, power setting, TAS, & conservative fuel burn</i> <i>Top of descent calculated based on expected rate of descent and ground speed</i> <i>Navigation log fully completed with totaled distance, ETE, & fuel consumed</i> <i>Takeoff and landing distance information for all airports of intended use (dep, dest, & alt)</i> <i>Special operations @ airport (e.g., RH patterns, parachute activity, noise abatement, etc.)</i>		
e. Emergency equipment and survival gear <i>Identifies appropriate emergency equipment that should be on board</i>		
7A2. Appropriate logbook endorsements (all elements)		
a. 61.87(n) & (p) current 90-day endorsement (CFI who provided training)		
b. 61.93(c)(1) & (2) category of aircraft & make/model (CFI who provided training)		
c. 61.93(c)(3) planning, prep, & weather review (any CFI)		
7A3. ICAO flight plans (at least elements a. & b.)		
a. Elements of ICAO flight <i>Sampling of elements and their proper ICAO format</i>		
b. Methods to open/close		
c. When is an aircraft considered overdue?		
7A4. Airspace (all elements)		
a. Identification of airspace along and near planned route including SUA		
b. Entry requirements		
c. VFR weather minimums		
7A5. Weather (at least elements a. & b.)		
a. Obtaining a weather briefing <i>Obtains an appropriate weather briefing from an FAA approved source (i.e., FAA/NWS via FSS, 1800wxbrief.com, Fltplan.com, Foreflight)</i>		
b. Current and forecast weather <i>Candidate knows current and forecast weather for departure (RHV), destination, and final arrival back to RHV</i>		
c. In-flight weather resources: FSS ATIS, AWOS/ASOS FIS-B		

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7A. Oral	Describe	Explain
7A6. Lost procedures		
a. 5Cs procedure		
7A7. System and equipment malfunctions (at least 1 scenario)		
a. Engine failure		
b. Alternator failure		
c. Radio failure		
d. Flight display/instrument failure		
7A8. Runway incursion avoidance		
a. Runway/taxiway signage & markings <i>Expect flash cards</i>		

*****END of ORAL*****

Phase 7 Progress Check

7B. Flight			
<p>Note: the check instructor shall evaluate every flight skill through direct observation of the task or oral evaluation if conditions do not permit direct observation of the task. SRM tasks will be evaluated throughout the entire duration of the flight.</p> <p>Desired outcome for all flight tasks of the Progress Check is "Perform" or "Manage/Decide"</p>			
Single-Pilot Resource Management			
To evaluate the candidate's single-pilot resource management skills, the check instructor will not provide guidance on where or how tasks will be completed. Should a <u>safety of flight</u> issue arise, the check instructor will intervene, as necessary. Intervention by the check instructor indicates unsatisfactory performance of the phase check task thus requiring a recheck on that task.	Practice	Perform	Manage / Decide
7B1. Single-pilot resource management (SRM) <i>as appropriate to a student pilot</i>			
Utilizes all resources available to ensure the successful completion of the flight (e.g., SRM skills, ATC, wx briefing, charts and publications [paper or electronic], checklists, etc.)			
Pre-Flight Procedures: completed in oral			
In-Flight			
7B2: Cross-country navigation log			
a. Completes and utilizes a navigation log			
7B3. Cockpit management			
a. Cockpit is organized and resources are accessible to pilot			
7B4. Power settings and mixture control			
a. Sets appropriate power settings and utilizes correct procedures for leaning mixture			
7B5. Opening flight plans			
a. Opens flight plan (<i>real or simulation</i>)			
7B6. VFR flight following			
a. Utilizes VFR radar services as available			
7B7. Pilotage & Dead reckoning			
a. Altitude (± 200 feet), headings ($\pm 15^\circ$)			
b. Navigates using visual checkpoints			
c. Navigates by precomputed headings & times			
7B8. Navigation systems (VOR & GPS)			
a. Altitude (± 200 feet), headings ($\pm 15^\circ$)			
b. VOR: <i>tune, identify, set course</i>			
c. GPS: <i>flight plan, direct-to, OBS to DTK</i>			
d. Use of federal airway system (<i>as applicable</i>)			
7B9. Diversion to an alternate (<i>done to completion at least once</i>)			
a. Altitude (± 200 feet), headings ($\pm 20^\circ$)			
7B10. Lost procedures			
a. Confirms position by ATC radar service, navigation systems, pilotage, or any combination thereof			
INTENTIONALLY LEFT BLANK			

Phase 7 Progress Check

7B. Flight	Practice	Perform	Manage / Decide
7B11. Emergency Ops & System and equipment malfunctions <i>(select engine failure & one more emergency listed below)</i>			
a. Engine failure <i>Applies memory items, uses written checklist, & mitigates risk</i>			
b. Display/instrument failure, radio failure, alternator failure <i>Uses written checklist & mitigates risk</i>			
7B12. Emergency communications and ATC resources			
a. Demonstrates the ability to contact ATC resources for in-flight emergency assistance and radar services			
7B13. In-flight weather resources			
a. Utilizes weather resources in-flight for the most current weather information			
Postflight Procedures			
7B23. Closing flight plans			
a. Closes flight plan <i>(real or simulation)</i>			

END of FLIGHT