

INWG CAP Aircraft Inspection Checklist

Wing	Tail #	Make	Cur Tach Time
Inspection Date	Inspector CAP ID	Model	Cur Hobb Time
1. Aircraft Log Books / Records, POH, AIF			Y/N/NA
A. Mid Cycle/100-Hour/Annual) limits complied with (Ref: CFR 91.417, CAPR 66-1)			
Date Cur	Tach Time	AD Comp Date	
Date Cur	Tach Time	AD Comp Date	
Date Cur	Tach Time	AD Comp Date	
B. ELT Battery Checks Current (12 Mo. Ref: CFR 91-207)			
Date Cur			
Date Prev			
C. Corrosion Control - Entry in Log Book (biennial or annual in FL/HI/P-Rico - CAPR 66-1)			
Date Cur			
Date Prev			
D. Altimeter/Pitot-Static/Transponder Systems Current – (24 Mo. Ref: CFR 91.411 & 413)			
Date Cur			
Date Prev			
E. WMIRS open discrepancies accurately reflect current status of the aircraft			
F. WMIRS snapshot page agrees with maintenance module status			
G. FAA Fm 337 and STCs on file (180 hp engine, mods) checklist speeds match STC			
H. AIF - Current version - Correct - Accurate	1) CURRENT VERSION OF CONTENTS Ref (CAPR 60-1, 2-4e) on capmembers.com		
	2) All of the sections of the AIF are current IAW #1		
	3) "Red Aircraft Grounded Placard" is in the AIF CAPR 60-1 2-4f		
	4) VOR & Fire Extinguisher forms (CAPR 66-1)		
	6) CAP AIF cover sheet matches most current inspection data		
I. Weight and Balance - Current factory or shop basic empty weight data (Tab 5 of AIF)			
2. Aircraft Interior			Y/N/NA
A. Required Documents in Aircraft	1) Airworthiness Certificate (Ref: CFR 91.203)		
	2) Registration (Ref: CFR 91.203) ** See page 2 for IN Registration **		
	3) Operating Handbook (Airplane Flight Manual / POH) (Ref: CFR 91.9)		
	4) Current Weight & Balance Data (Ref: Acft Flight Manual / POH)		
	5) (G-1000 only) Garmin Avionics (Ref: Cockpit Reference Guide)		
B. CAP-approved checklist date		Revision #	
C. POH current revision		Revision #	
D. No Obvious Defects, Leaks, Corrosion, Cleanliness, and Condition of Interior			
E. "Not for Hire" Placard Displayed (Ref: CAPR 66-1)			
F. "Max Crosswind" Placard Displayed (Ref: CAPR 66-1)			
G. "Cessna Seat Slippage Warning" Placard Displayed (CAPR 66-1)			
H: "Remove Towbar Before Engine Start" (CAPR 66-1)			
I. Operating Limits / Placards (Ref: CFR 91.9)			
J. Avionics or Control Lock Installed (Ref: CAPR 66-1)			
K. Serviceable Fire Extinguisher / with gauge Installed (Ref: CAPR 66-1)			
L. Carbon Monoxide Detector – Serviceability, Expiration Date (CAPR 66-1)			
M. Cessna Seat Rails for Obvious Cracks and Wear (Ref: AD 2011-10-09)			
N. Cessna Secondary Seat Stop Installed (All Models Prior to 1997)			
O. Cargo Tie-Down or Net Installed (Ref: CFR 91.525)			
P. Survival Kit. (Ref: CAPR 66-1)			
3. Aircraft Exterior			Y/N/NA
A. Acft Properly Chocked, Tied Down, and Condition of Tie downs (CAPR 66-1)			
B. Obvious Defects, Leaks, Corrosion, Cleanliness			
C. Condition of Prop – Nicks, Dents, Leaks, Corrosion, Evidence of Prop Strike			
D. Appropriate CAP decals on wings, doors and vertical stabilizer. (Ref: CAPR 66-1 & CAP Policy)			
E. Brakes for Leaks, Wear, Cracked Pads and Obvious Defects (Ref: Acft Service Manual)			
F. Tires for Proper Air Pressure and Serviceability (Ref: Acft Service Manual/STC)			
H. Engine Cowling for Proper Fit / Fasteners Serviceable and Secure			
I. Cessna Factory Door Hinge Pins Installed (CAP-LGM guidance)			
4. Exterior And Interior Lighting For Proper Operation (Ref: CFR 91.209)			Y/N/NA
A. Landing / Taxi / Pulse lite			
B. Anti-Collision Strobe			
C. Navigation / Position			
D. Flashing Beacon			
E. Cabin / Panel			
F. Instruments			

Instructions for the CAP Aircraft Inspection Checklist

1. Aircraft Log Books / Records.

Item A. Ensure mid cycle, 100hr and annual inspections are current. CFR 91.417 requires the aircraft records (logbooks) contain the current status of applicable airworthiness directives (AD), the method of compliance, the AD number, revision date, and recurring action if required.

Item B. ELT Battery: CFR 91-207 requires the expiration date of the ELT battery be legibly marked on the outside of the transmitter and entered in the aircraft logbook. CFR 91-207 requires ELTs to be inspected during the aircraft annual inspection and this inspection annotated in the aircraft logbook. **Item C.** Ensure corrosion control entry is in aircraft logbook. (FL/HI/P-Rico must comply with biennial per CAPR 66-1) **Item D.** CFR par 91.411 and 91.413 requires the altimeter, pitot static system and transponder to be tested and inspected every 24 months. The inspection dates are annotated in the logbook.

Items E-F. See WMIRS

Item G. FAA Form 337 major repair & alteration (Airframe, Propeller, or Appliance) and supplemental type certificates (STCs) document modifications to the aircraft. Ensure all mods are documented and that checklist speeds match STC.

Item H. See AIF

Item I. Ensure the empty weight and balance data in tab 5 of the Aircraft Information File (AIF) is current from the factory or maintenance facility.

2. Aircraft Interior.

Items A.1&2) Airworthiness Certificate and Registration are normally kept a pouch attached to a sidewall of the aircraft. **Items A.3&4)** Operating Handbook & Weight & Balance: CFR 919 requires each aircraft to have an operating handbook and displayed operating limits in the form of placards or instrument markings. Ensure a handbook matching the aircraft's make, model and year is in the aircraft.

Item A.5) Garmin Avionics manual required for G1000

Item B. CAP-approved checklists are located at:

<https://missions.capnhq.gov/ops/dot/ChecklistMaps.cfm> **Item C.** Ensure POH checklist matches the aircraft POH revision. **Item D.** Check for obvious defects, leaks, corrosion, cleanliness, and condition of interior.

Items E, F, G, H and I. Placards: Not for Hire/Max Crosswind/Seat Slippage Warning/Remove Towbar/Operating Limits.

Item J. Avionics and Control Locks Installed if equipped.

Item K. Ensure fire extinguisher is properly serviced. **Item I.** Inspect detectors for serviceability (change of indicator color) and valid expiration date (12 months). the holes, seat locking pin rounding and roller washer wear. **Item N.** Secondary Seat Stop Installed on the right side of the pilot's seat (All Cessna Aircraft, Prior to 1997 Models). **Item O.** Cargo Tie-down/Cargo Net: CFR 91.525 requires cargo to be properly secured by a safety belt or other tie-down method.

Item P. Ensure a survival kit present and accessible.

3. Aircraft Exterior.

Item A. Properly Chocked, Tied Down & Condition of Tie Downs:. The aircraft should also be tied down at 3 points. Chains may be used providing the chain is not directly attached to the ground anchor point. 3,000lbs Nylon rope is recommended.

Item B. Check for obvious defects, leaks, corrosion, cleanliness, and condition of paint. Look closely for corrosion, and missing or chipped paint.

Item C. Inspect propeller for damage and leaks, paying particular attention to nicks and evidence of propeller strike. Also check for excessive rubbing marks between spinner and cowling. **Item D.** Ensure appropriate decals are installed on wings, doors and vertical stabilizer. See CAPR 66-1 Attch 2. CFR 45-11 requires a fireproof plate that is etched, stamped, or engraved with the builder's name, model designation, and serial number. It must be secured to the exterior of the aircraft near the tail surfaces or adjacent or just aft of the rear-most entrance door. If the aircraft was manufactured before March 7, 1988, the plate can be attached to an accessible interior or exterior location near an entrance; however, the model designation and serial number must also be displayed on the aircraft fuselage exterior. **Item E.** Check brakes/lines/pads for leaks, wear, cracks, defects. **Item F.** Check tires for proper air pressure & serviceability. There are no regulatory tire pressure tolerances, if the tire is not at manufacture's recommended pressure then have the tire pressure corrected on the spot.

Item G. Check the cowling for proper fit and contour. Check the condition of the fasteners holding it in place. **Item H.** Check the door hinges for proper hinge pins. Only authorized Cessna hinge pins will be installed in CAP aircraft.

4. Exterior and Interior Lighting for Proper Operation

Items A, B, C, D, E, and F. Check all lights for operation.

Most of the items on the checklist are self-explanatory. The dates and times for the aircraft annual, 100-hour inspections, and oil changes should be in the aircraft logbooks. Tach times should be used to determine when maintenance actions are required and time change items are due replacement. POC for this checklist is

NHQ/LGM, Maxwell AFB AL 877-227-9142, ext 272.

