CAP Aircraft Inspection Checklist

Aircraft/Inspector Information

Wing/Region		Tail#		Make		Cur TTAF	
Inspection Date		S/N		Model		Cur Tach Time	
Insp Name		Insp CAP ID		Insp Phone #		Cur Hobbs Time	

1. Aircraft Logbooks / Records, POH, AIF & AMRAD

A. Mid Cycle/100-Hour/Annual (CFR 91.417, CAPR 130-2)

Date Last Annual		Tach Time		TTAF		ADs Validated Current?	
Date Last 100Hr		Tach Time		TTAF		Date ADs Validated	
Date Last Oil Chg		Tach Time		TTAF			

B. ELT Check (CFR 91-207)	Date C/W:	Date Due	ELT Batt Exp Date
C. Corrosion Control (CAPR 130-2)		Date C/W	Date Due
D. Alt/Pitot-Static/Transponder (CFR 91.411 & 413)		Date C/W	Date Due

	Y / N / NA	Remarks
E. Was a SOAP sample taken at the last 100-hour/annual oil and filter change? (CAPR 130-2)		
F. Is the engine oil pressure switch within the manufacturer's time change? (CAPR130-2)		
G. Do AMRAD open discrepancies accurately reflect current status of the aircraft?		
H. Do AMRAD Aircraft Mx Data entries match logbooks?		
I. Does aircraft have a complete set of logbooks since new?		
J. AIF - Current version - Correct - Accurate	1) Current Version of Contents (CAPR 70-1, 9.1.3 & CAPS 72-4)	
	2) All of the sections of the AIF are current (CAPS 72-4)	
	3) Red "Aircraft Grounded" Placard is in the AIF (CAPS 72-4)	
	4) VOR & Fire Extinguisher forms (CAPR 130-2 & CAPS 72-4)	
	5) AIF cover sheet matches most current insp data in logs and AMRAD	
K. Weight and Balance - Current weight & balance data in POH (original), copy in AIF and both match maintenance records (POH, AIF & Logbooks)		

2. Aircraft Interior

	Y / N / NA	Remarks
A. Required Documents in Aircraft	1) Airworthiness Certificate (Ref: CFR 91.203)	
	2) Registration (Ref: CFR 91.203)	
	3) Operating Handbook (Airplane Flight Manual / POH) (Ref: CFR 91.9)	
	4) Current Weight & Balance Data (Ref: Acft Flight Manual / POH)	
	5) Avionics Guide - If applicable to avionics (Cockpit Reference Guide)	

B. CAP- checklist date	NP:	EP:	
C. POH Required Revision		Revision in Acft	

	Y / N / NA	Remarks
D. Is interior clean? Note Obvious Defects, Leaks, Corrosion, and Condition of Interior?		
E. "Not for Hire" Placard Displayed (CAPR 130-2)		
F. "SEAT SLIP WARNING" Placard Displayed (CAPR 130-2)		
G. "Remove Towbar Before Engine Start" Placard Displayed (CAPR 130-2)		
H. Operating Limits / Placards Displayed (CFR 91.9)		
I. Avionics or Control Lock Installed (CAPR 130-2)		
J. Serviceable Fire Extinguisher / with gauge Installed (CAPR 130-2)		
K. Carbon Monoxide Detector – Serviceability, Dated? (CAPR 130-2)		
L. Cessna Secondary Seat Stop Installed (All Cessnas Prior to 1997)		
M. Cargo Tie-Down or Net Installed (CFR 91.525, CAPR 130-2)		
N. Does Aircraft Have All Assigned Software? (CAPR 130-2)		
O. Survival Kit (CAPR 130-2)		
P. Aircraft Shoulder Harnesses Installed? (CAPR 130-2)		

3. Aircraft Exterior

	Y / N / NA	Remarks
A. Is Aircraft Properly Chocked, Tied Down and are Tie downs in good condition? (CAPR 130-2)		
B. Is aircraft clean? Note obvious Defects, Leaks, Corrosion, ? (Acft Serv Manual, CAPR 130-2)		
C. Condition of Prop – Nicks, Dents, Leaks, Corrosion, Prop Strike (Acft Service Manual)		
D. Appropriate CAP decals on wings, doors and vertical stabilizer (CAPP 130-2)		
E. Brakes - No Leaks, Wear, Cracked Pads or Obvious Defects (Acft Service Manual)		
F. Tires for Proper Air Pressure and Serviceability (Acft Service Manual/STC, CAPR 130-2)		
G. Engine Cowling for Proper Fit / Fasteners Serviceable and Secure (Acft Service Manual)		
H. Is a legible fireproof ID plate secured to the aircraft fuselage exterior? (CAPR 130-2)		

4. Exterior And Interior Lighting For Proper Operation (CFR 91.209)

	Y / N / NA	Remarks
A. Landing / Taxi / Pulse lite		
B. Anti-Collision Strobe		
C. Navigation / Position		
D. Flashing Beacon		
E. Cabin / Panel		
F. Instruments		

5. Installed Aircraft Equipment			
Equip Type	Make	Model	S/N
Audio Panel 1			
Audio Panel 2			
Auto-Pilot			
COM/GPS 1			
COM/GPS 2			
DF			
ELT			
Engine			
FM Radio			
LT Magneto			
RT Magneto			
MFD 1			
MFD 2			
Propeller			
Prop Governor			
Sat Phone			
Sat Phone Dialer			

6. Misc Aircraft Information	
VIRB Camera Mount Installed?	
Tow Hook Installed?	
FLIR Installed?	
AERONET Installed?	
Vacuum System Installed?	
Airborne Repeater Capable?	
Garmin System ID & Type (if equipped)	
ID	
Type	
Garmin System ID & Type (if equipped)	
ID	
Type	

CAPF 71, APR 22   **Previous Edition Will Not Be Used**   **OPR/ROUTING: LGM**

Instructions for the CAP Aircraft Inspection Checklist

1. Aircraft Logbooks / Records, POH, AIF & AMRAD
Item A. Annotate Date C/W, TACH and TTAF for the last mid cycle, 100hr and annual inspections as recorded in aircraft logbooks. Annotate if ADs were certified current in the logbook at last annual and the date of this validation.
Item B. ELT Inspection in logbook: annotate Date C/W, Date Due and Date ELT Battery Expires.
Item C. Annotate last corrosion control entry from aircraft logbook and when next corrosion control is due.
Item D. Annotate the Altimeter/Pitot-Static/Transponder inspection dates from the logbook.
Items E-H. Use AMRAD, aircraft condition and aircraft logbooks to answer these questions.
Item I. Ensure aircraft has a complete set of logbooks since aircraft was new.
Item J. See AIF and CAPS 72-4
Item K. Ensure the weight and balance data in POH (original copy), AIF/ Foreflight match the logbooks.

2. Aircraft Interior.
Items A.1&2) Airworthiness Certificate and Registration are normally kept in a pouch attached to the sidewall of the aircraft, they must be legible and registration must be current. Ensure they are for the aircraft being inspected.
Items A.3&4) Ensure a handbook (POH or AFM) matching the aircraft's make, model and year is in the aircraft and that it contains the current original copy of the aircraft weight and balance data.
Item A.5) Ensure an avionics guide for G1000 or other applicable installed avionics is in aircraft.
Item B. CAP-approved checklists are located online in eServices and must match POH revision. NP- Normal Procedures EP - Emergency Procedures
Item C. Enter current required revision of POH and revision of POH in aircraft. The required revision can be found at https://ww2.txtav.com/TechnicalPublications, create a free account, login, go to Publications>Tech Manual Search and enter the S/N of the aircraft in question and select "AFM/POH/POM" from the manual type dropdown. This will give you a list showing the current POH Revision that is required.
Item D. Check for obvious defects, leaks, corrosion, cleanliness, and condition of interior.
Items E, F, G, & H Placards: Not for Hire/ Seat Slippage Warning/Remove Towbar/Operating Limits.
Item I. Avionics and Control Locks Installed if equipped.
Item J. Ensure fire extinguisher is serviceable and properly serviced.
Item K. Inspect detectors for serviceability (change of indicator color) and valid expiration date (12 months).
Item L. Secondary Seat Stop Installed on the right side of the pilot's seat (All Cessna Aircraft, Prior to 1997 Models).
Item M. Cargo Tie-down/Cargo Net: CFR 91.525 requires cargo to be properly secured by a safety belt or other tie-down method.
Item N. Does aircraft have all assigned software available for use?
Item O. Ensure a survival kit is present and accessible.
Item P. Are aircraft shoulder harnesses installed (required on both front seats)?

3. Aircraft Exterior.
Item A. Ensure tiedowns (if required) meet the requirements in CAPR 130-2 and aircraft is secured per manufacturer's recommendations.
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 CAPP 130-2.
Item E. Check brakes/lines/pads for leaks, wear, cracks, defects.
Item F. Tire pressures meet POH/AFM/STC limits and must be within the tolerances established by the manufacturer. Tires must be serviceable IAW manufacturer's wear limits.
Item G. Check the cowling for proper fit and contour. Check the condition of the fasteners holding it in place.
Item H. 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.

4. Exterior and Interior Lighting for Proper Operation.
Items A, B, C, D, E, and F. Check all lights for operation.

5. Installed Aircraft Equipment. Record the make, model and S/N for each requested item from the logbook. If the item has not been replaced since the aircraft was new then it will not be in the logbook. DO NOT REMOVE THE ITEM TO CHECK THE SERIAL NUMBER. Check the make, model and S/N of each recorded item that is installed against the ORMS installed equipment list for this aircraft. Contact CAP/LGM to have discrepancies updated.

6. Misc Aircraft Information. Inspect aircraft to see if each requested item is installed and indicate the aircraft's condition in the space provided. Record the Garmin system ID (if applicable), if more than one type MFD is installed then both system IDs should be recorded I.E. G500 and a GTN650 in the same aircraft.

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 CAP/LGM, Maxwell AFB AL, 334-953-9096.