

**SURVEILLANCE CHECK LIST
RENEWAL OF CERTIFICATE OF AIRWORTHINESS**

Registration No.:
Type of Aircraft:
Type of Engine fitted:
No. of Engine:
Type of Propeller (if applicable):
Name of owner/ operator:
C of A valid till:
Place of Inspection:
Name & Designation of Officer:

S/N	ITEMS OF INSPECTION	REMARKS	SIGNATURE
AIRCRAFT RELATED DOCUMENTS			
1.	Receipt of application as per appendix given in CAR 'F' Part IV.		
2.	Receipt of requisite fees as per Rule 62 of Aircraft Rule, 1937.		
3.	Quantum of work approval, if required.		
4.	Number of spot checks carried out on the aircraft since last renewal of C of A.		
5.	Number of major defect reported since last renewal of C of A.		
6.	How many major defect reports are closed/open?		
7.	Whether any incident /accident recommendation is pending for compliance?		
8.	Condition of C of A, C of R and validity of Aeromobile Licence and Air Operator's Permit.		
9.	Scrutiny of J.L.B.		
10.	Scrutiny of Aircraft, Engine, Propeller & Radio log books particularly for entering of Mandatory Modifications.		

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11.	Defect Register for proper rectification of major and repetitive defects.		
12.	Fuel & Oil consumption register.		
13.	Engine parameter register.		
14.	Certificate of engine performance review.		
15.	Status of mandatory modifications.		
16.	List of materials & spares used. Check for release notes and proper documentation.		
17.	Inspection schedule since last C of A renewal.		
18.	Certificate of First Aid/ Physician Kit.		
19.	Certificate from Operations/ Q.C Department of operator that the Flight Manual (if applicable) is current and up-to-date. Latest amendment/ revision number.		
20.	Record of compass swinging.		
21.	T.B.O. of components within limit.		
22.	Test flight report.		
23.	Certificate of maintenance review as per para 7 of CAR (Sec-2), Series 'F' Part IV from QCM/Chief of Inspection/Engineer-in-Charge.		
24.	Certificate regarding compliance of all other requirements of applicable CARs.		
25.	A Certificate that the Radio, Communication, Navigation and Radar equipment on board have been checked by a representative of DGCA.		

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26.	Certificate for use of approved materials and that the work has been carried out as per approved procedures by approved persons.		
27.	Report of fuel sample for microbiological test.		
PHYSICAL INSPECTION OF AIRCRAFT			
GO AROUND INSPECTION :			
1.	Check for damages, dents/ any extensive patch repairs in the airframe/ engine and quality of repair.		
2.	Check tyres, brakes, landing gears.		
3.	Check engine inlet, fan blades, outlets, open the cowling and check for oil leaks.		
4.	Check the condition of propeller (if installed) and also condition of the yellow paint on propeller tips.		
5.	Check fuel tanks for any leakage.		
6.	Check the condition of flaps/ aileron/ stabilizers for any dent delamination etc.		
7.	Check the condition of pitot/ AOA probes and cleanliness of static ports.		
8.	Check the condition of static dischargers/ wicks.		
9.	Check condition of Radome.		
10.	Check evidence of over rotation.		
11.	Check any evidence of toilet fluid leakage.		
12.	Check for any hydraulic leakage.		

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13.	Check for any evidence of pneumatic leaks from doors, windows etc.		
14.	Check APU(if installed) compartment for any leakage of hydraulic fluid/ oil leakage.		
15.	Check for any missing rivets, fasteners, peeling of paint.		
16.	Check for any evidence of corrosion, hydraulic fluid leak in wheel well area.		
17.	Check cleanliness of wheel well area.		
18.	Check the cleanliness of aircraft.		
19.	Painting of registration markings and aircraft weight out side of the aircraft.		
20.	Installation of owner name plate.		
21.	Operations of various systems such as flaps, under-carriage, ailerons, rudder etc.(as applicable).		
22.	Operations of external lights such as navigation, anticollision, landing/taxing, strobe lights etc.		
23.	Condition of de-icer boots and satisfactory operation		
24.	Check condition of cargo doors.		
25.	Check condition of cargo compartment floor.		
26.	Check pressure bulkheads for condition, corrosion etc.		
27.	Check pressure equalizer panels.		
28.	Check that side panels are of fire resistant materials.		

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29.	Condition of Radio/Navigation antennas.		
AIRCRAFT INTERIOR:			
1.	Check escape slide-chute bottle pressure (if applicable).		
2.	Check condition of cabin crew seat (if applicable).		
3.	Check seat belts for condition and seats for satisfactory operation of inclination, as applicable.		
4.	Check that "FASTEN SEAT BELT WHILE SEATED" sign and "NO SMOKING" sign are displayed in proper place.		
5.	Check life vests, as applicable.		
6.	Check that seats are provided with fire blocking materials.		
7.	Check serviceability of emergency escape path markings/ lights.		
8.	Check the condition of hat racks.		
9.	Check reclining mechanism of seats.		
10.	Check that emergency exit doors are properly placarded.		
11.	Check that all passenger seats are provided with "PASSENGER BRIEFING CARD".		
12.	Check First aid/ Physician kits.		
13.	Check portable oxygen/ fire extinguisher bottles, megaphone, etc. as applicable.		
14.	Check for satisfactory operation of cabin crew calling system/ PA system.		

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15.	Check toilets for satisfactory operation of toilet motor, smoke warning system, and display of "NO SMOKING" placard.		
16.	Check for proper operation of toilet door.		
COCKPIT:			
1.	Check for satisfactory operation of sliding windows, if applicable.		
2.	Check availability of crash axe, portable fire extinguisher, portable oxygen bottle.		
3.	<p>Check availability of the following documents:</p> <ul style="list-style-type: none"> • Company operations manual, if applicable; • FCOM/ AOM/ POH as applicable; • Certificate of Airworthiness; • Certificate of Registration; • Aeromobile licence; • Approved weight schedule; • Air operator's Permit; • Noise Certificate(for International operation); • Valid Flight Release Certificate; • Approved MEL/ CDL and DDPG; • Cockpit and Emergency check list as applicable; 		
4.	<p>Check windshields and windows for the followings:</p> <ul style="list-style-type: none"> • Sign of discolouration; • Sign of over heating; • Presence of bubbles; • Any other abnormality; 		

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5.	Check satisfactory operation of the followings, if installed: <ul style="list-style-type: none"> • Stall warning system; • Fire warning system; • Weather Radar (in test mode), • GPWS; • ACAS; • VHF communication; • ADF; • VOR; • Master Warning and Caution lights and System annunciators; • ELT; • Electrical operation of cargo doors; • Extension/ Retraction of landing gears (as applicable). 		
6.	Check for free and full movements of flight & engine controls.		
7.	Markings of instrument dials and placards readability		
8.	Display of compass correction card.		
9.	Operation of inertia reel.		
10.	Engine ground run performance.		

NOTE: In case of renewal of C of A of aircraft older than 25 years, all the members of the team shall sign this check list and own combined responsibility for C of A renewal.