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## EN-ROUTE INSPECTION (AW) - CHECKLIST

Air operator: ..... Flight: ..... A/C Type: .....

Date: ..... A/C Reg: ..... Time: .....

PIC: ..... F/O .....

### ITEMS INSPECTED

#### Wings

General \_\_\_\_\_  
 Leading edges \_\_\_\_\_  
 Ailerons \_\_\_\_\_  
 Flaps \_\_\_\_\_  
 De-icing \_\_\_\_\_  
 Fueling \_\_\_\_\_

#### Fuselage

General \_\_\_\_\_  
 Doors \_\_\_\_\_  
 Windows \_\_\_\_\_  
 Cargo \_\_\_\_\_  
 De-icing \_\_\_\_\_  
 Fueling \_\_\_\_\_

#### Empennage

Horizontal Stab \_\_\_\_\_  
 Vertical Stab \_\_\_\_\_  
 Elevators \_\_\_\_\_  
 Rudder \_\_\_\_\_  
 De-icing \_\_\_\_\_

#### Engine

Pylons \_\_\_\_\_  
 Cowls \_\_\_\_\_  
 Propellers/Fans \_\_\_\_\_  
 Equipment \_\_\_\_\_  
 Intakes \_\_\_\_\_  
 Exhausts \_\_\_\_\_  
 Reversers \_\_\_\_\_  
 Cleanliness \_\_\_\_\_

#### Cockpit

General \_\_\_\_\_  
 Journey Log \_\_\_\_\_  
 Pilot Complaints \_\_\_\_\_  
 Weight Control Sheets \_\_\_\_\_  
 Correction of Snags \_\_\_\_\_  
 Maintenance Time Limits \_\_\_\_\_  
 MEL Revisions \_\_\_\_\_  
 Placards/Inop CB locked \_\_\_\_\_

#### Cabin

Emergency Exits \_\_\_\_\_  
 ELT \_\_\_\_\_  
 Evacuation \_\_\_\_\_  
 Load Security \_\_\_\_\_  
 Slide/Raft Bottles \_\_\_\_\_  
 Life Vests (if req.) \_\_\_\_\_  
 Oxygen \_\_\_\_\_  
 Fire Extinguishers \_\_\_\_\_

First Aid Kits \_\_\_\_\_

Cabin Logbook \_\_\_\_\_

**EN-ROUTE INSPECTION CHECK-LIST (cont.)**

**Landing Gear**

**Aircraft Documents**

**Cabin**

General \_\_\_\_\_

C of R \_\_\_\_\_

Windows \_\_\_\_\_

Brakes \_\_\_\_\_

C of A \_\_\_\_\_

Seat/Seat belts \_\_\_\_\_

Tires \_\_\_\_\_

A/C Radio License \_\_\_\_\_

Lavatories \_\_\_\_\_

Doors \_\_\_\_\_

A/C Flight Manual \_\_\_\_\_

Struts \_\_\_\_\_

Weight & Balance \_\_\_\_\_

Compass Correction Cards \_\_\_\_\_

**Remarks:**

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Name AW Inspector: ..... Section: .....

S = Satisfactory

X = Unsatisfactory (see remarks)

R= Remarks

## INTRODUCTION TO AIRCRAFT AND EQUIPMENT

The following job aids are provided as general guidelines for performing interior and exterior inspections. This requires a basic knowledge and familiarity of the type of operation being inspected. These guidelines are not intended to be tasks unto themselves, but should be used as additional guidance while performing cockpit en route, cabin en route, and ramp inspections.

### INTERIOR INSPECTION GUIDELINES

1. Examine the airworthiness and registration certificates to ensure:
  - (a) Both certificates are current and valid.
  - (b) Both certificates contain the same model, serial, and registration numbers.
  - (c) Temporary registration is current.
  - (d) Signatures are in permanent-type ink.
  
2. Flight Deck Inspection
  - (a) Instrument security and range markings.
  - (b) Windows (delamination, scratches, crazing, and general visibility).
  - (c) Emergency equipment.
  - (d) Seal on medical kit (if located on flight-deck).
  
3. Seat belts and shoulder harnesses (Technical Standard Order marking, metal to metal latching, and general condition).
  - (a) Check the following when using cockpit jump seat:
    - (b) Jump seat oxygen system - turn regulator on and select 100% oxygen.
    - (c) Interphone system - select Comm 1 and Comm 2 to ensure systems are working.
  
4. The jump seat to ensure the seat is serviceable and that seat belt and shoulder harnesses are available.

**NOTE: *When the most forward jump seat is in the cabin, coordinate with the crew for connecting the headset and adapter cables.***

5. Cabin Inspection. Inspect the cabin, to include the following:
  - (a) Lavatory, to ensure:
  - (b) Fire extinguisher system is installed in sealed trash containers.
  - (c) Smoke detection system is installed.
  - (d) Trash containers are sealed according to applicable Airworthiness Directive(s).
  - (e) "No Smoking" placards are posted.
  - (f) Ashtrays are available outside the lavatory.

6. Flight attendant seats, to include:
  - (a) Pulling the jump seat down to ensure seats in the path of the exits retract.
  - (b) Inspecting seat belts for Technical Standard Order marking, metal to metal latching and general condition.
7. Cabin emergency equipment, to include:
  - (a) Flight attendant flashlight holder.
  - (b) Slide containers, to ensure containers are properly marked for content. Check for last inspection date and pressure of slide inflation bottle if visible.
  - (c) Medical kit (if not checked on flight deck).
  - (d) First aid kit (seal and security).
  - (e) Emergency oxygen (proper pressure and security).
  - (f) Megaphone(s) (security and general condition).
  - (g) Fire extinguishers (security, pressure, seal and date of last inspection).
  - (h) Life raft storage markings (if raft is required).
  - (i) Emergency briefing cards (random sample).
  - (j) General condition of emergency floor path lighting system.
  - (k) Placement of all "Emergency Exit" sign.
  - (l) Presence and legibility of "Emergency Exit" operation instructions.
  - (m) Placarding for location of all emergency equipment.
  - (n) Life preservers (vests).
  - (o) Passenger seats, to ensure:
    - (p) Seats adjacent to emergency exits do not block exit path.
    - (q) Seats are secure in seat track (random sample).
    - (r) Seat break-over pressure is in accordance with operator standards (random sample).
    - (s) "Fasten Seat Belt" during flight placards are in view from all seats.
    - (t) Seat belts have metal-to-metal latches and are in good general condition (random sample).
8. Galleys/service centers, to include:
  - (a) Trash bin lids for fit.
  - (b) Storage compartment restraints
  - (c) Stationary cart tie-downs.
  - (d) Lower lobe equipment/restraints.
  - (e) Lift operation.
  - (f) Galley supply stowage.
  - (g) Overhead baggage compartments to include:
    - (h) Weight restriction placards.
    - (i) Proper latching of the doors, when applicable.

9. Cargo Compartment

- (a) Cargo compartment fire protection is appropriate for its classification.
- (b) Cargo liner is free from tears and/or punctures. If these are noted, inspect structure behind liner for damage, e.g. stringers, circumferential, etc. Ensure sealing tape is proper type and in good condition.
- (c) Cargo door is free of fluid leaks and structural damage.
- (d) Fuselage door structure and sill are free of damage.
- (e) Smoke detectors are in satisfactory condition.
- (f) Lighting is operable and protective grills are installed.
- (g) Cargo flooring is free from structural or other damage.
- (h) Pallet positions/compartments are placarded for position identification and weight limitations.
- (i) Inspect pallet system, if applicable. Ensure the following:
- (j) Ball mats are serviceable, e.g. no broken or missing balls.
- (k) Forward, aft, and side restraints are serviceable.
- (l) Roller assemblies are secure and have no missing or broken rollers.
- (m) Ensure the 9G forward restraint net is serviceable, if applicable.
- (n) Ensure that cargo restraints for bulk loaded cargo are adequate, if applicable.

10. Inspect cabin mounted equipment.

- (a) Inspect fire extinguishers for inspection due dates and pressure.
- (b) Inspect load manifest for Hazardous Material. If present, determine crew knowledge of the following:
- (c) Location and labeling of hazardous materials.
- (d) Special requirements, if required.

11. Ensure captain is aware of the following responsibilities:

- (a) Inspection of cargo to ensure proper load distribution.
- (b) Ensuring loads do not exceed compartment or position limits.
- (c) Ensuring loads are being properly restrained.

12. Exterior inspection

**NOTE: Accompany a flight crew member during the exterior inspection, when possible.**

- (a) Inspect the landing gear and wheel well areas as follows:
- (b) Any indication of wear, chafing lines, chafing wires, cracks, dents, or other damage.
- (c) Structural integrity of gear and doors (cracks, dents, or other damage).
- (d) Hydraulic leaks (gear struts, actuators, steering valves, etc.).
- (e) Tire condition.
- (f) Tire pressure (if pressure indicators are installed).
- (g) Wheel installation and safety locking devices.
- (h) Wear, line security, leaks, and installation of brakes.
- (i) Corrosion.

13. Inspect the fuselage and pylons, to include the following:
  - (a) Structure for cracks, corrosion, dents, or other damage.
  - (b) Fasteners (loose, improper, missing).
  - (c) Radome for general condition.
  - (d) Pitot tubes for general condition.
  - (e) Static ports (cleanliness and obstructions).
  - (f) Stall warning devices and other sensors.
  - (g) Antennas (security and indications of corrosion).
  - (h) Lavatory servicing areas (evidence of fresh blue water streaks).
  - (i) Cargo compartments for integrity of fire-protective liners (no holes or unapproved tape used for repairs).
  - (j) Emergency exit identification/markings.
  - (k) Registration marking (legibility).
  - (l) All lights (general condition, broken lenses, etc.).
  - (m) Inspect the wings and pylons to include as follows:
    - (n) Structure for cracks, corrosion, dents, or other damage.
    - (o) Leading edge (dents and/or damage in line with engine inlets).
    - (p) Leading edge devices (when open, actuator leaks, general condition of lines, wires, and plumbing).
    - (q) All lights (general condition, broken lenses, etc.).
    - (r) Flaps (cracks, corrosion, dents, and delamination).
    - (s) Flaps wells (general condition of lines, wires, and plumbing).
    - (t) Static eliminators (number missing).
    - (u) Ailerons and aileron tabs (cracks, corrosion, dents, delamination).
    - (v) Access door, inspection panels, and blowout panels (missing, loose, or improperly secured).
14. Inspect the engines as follows:
  - (a) Intake for fan blade damage and oil leaks.
  - (b) Ring cowl for missing or loose fasteners.
  - (c) Cowling doors for security and proper fit.
  - (d) Lower cowling for evidence of fluid leaks.
  - (e) Exhaust for turbine and tailpipe damage, and evidence of fluids.
  - (f) Reverser doors for stowage and security, and evidence of leaks.
  - (g) Access doors for security.
15. Inspect the propellers as follows:
  - (a) Leading edge of propeller for cracks, dents, and other damage.
  - (b) Deice boots for signs of deterioration and security.
  - (c) Spinners for security, cracks, and evidence of fluid leaks.
  - (d) Inspect the empennage as follows:

- (e) Leading edge for dents.
  - (f) All lights (general condition, broken lenses, etc.).
  - (g) Missing static discharge eliminators.
  - (h) Elevator, rudder, and tabs (cracks, corrosion, dents, and delamination).
  - (i) Elevator and rudder power unit for evidence of hydraulic leaks.
  - (j) Inspect the ground safety aspect as follows:
  - (k) Positioning of support vehicles.
16. Fueling of aircraft as follows:
- (a) Refueling pressure.
  - (b) Condition of refueling unit (leaks, filter change dates, exhaust system, etc.).
  - (c) Grounding.
  - (d) Fire protection.
  - (e) General fueling procedures.
  - (f) General condition of ramp, as follows:
  - (g) Provisions for grounding.
  - (h) Foreign objects on ramp.
  - (i) Fuel spills.
17. General housekeeping/cleanliness.
- (a) Passenger control.
  - (b) Fire protection.
  - (c) Inspect the loading and unloading of baggage compartments as follows:
  - (d) Baggage restraining system.
  - (e) Load distribution.

**FOR OFFICIAL USE ONLY**

**Recommendation/observation:**.....  
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<b>Inspector's Name &amp; ASI #</b>	<b>Signature</b>	<b>Date</b>
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**Airworthiness chief's Remarks:**

The above requirements have been evaluated against the operator submissions and is here by **approved / not approved** and **recommended / not recommended** to be issued the appropriate Authorization / Ops-Specs.

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Name	Signature	Date
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