

EASA Airworthiness Review Physical Inspection – General Overview

Sofema Aviation Services (SAS) www.sassofia.com considers the elements which are inspected during the Physical Part of the ARC Inspection

Aircraft Physical Inspection

Note this list is for reference only and should be considered as a baseline – additional elements will typically be included subject to organisational requirements.

Flight Deck

- Safety Equipment in date, correctly stowed
- Required placards in place & legible
- Compass Correction Cards available and in date
- Flight Deck seats and harnesses in satisfactory condition
- Ships tech library available and discs in date.

Cabin Inspection

- Safety Equipment in date and correctly stowed iaw Config Drawing
- Required placards in place and legible
- Maximum weight instructions in galley and overhead stowage's
- Galley stowage retainers correctly operate and secure
- Seating configuration iaw Config Drawing and complies with national requirements (i.e. CAP 747 GR 2)
- Placards at all exits provide correct instructions for opening
- Pax seats at exits are correct with respect to recline/break back, table and
- stowage locks serviceable, no smoking placards and sealed waste containers

External Inspection

- Required markings and placards are properly installed and legible?
- Review ATA Chapter 11 or equivalent and, where applicable, the AFM, STCs or ADs to ensure compliance.
- No obvious damage/lightning strikes, missing fasteners or leaks
- Any repairs/dents/buckles have been correctly assessed and documented in dent and buckle log.
- Where a repair has been sampled during the records review, check that
- repairs accomplished iaw the SRM or other instructions approved through Part 21?
- Cargo bay floor and linings satisfactory with regard to integrity and unrepaired damage
- LLPs sampled by part number and serial number for correlation with documents viewed during document review
- State Additional items here based on records review

General Areas & Comments

- Identify Findings Related to Check Flights
- Has the aircraft remained in a Controlled Environment over the last 12 months?
- If "No," a full Airworthiness Review is required and a recommendation submitted to the Competent Authority.
- The last Extension was accomplished on:
 - 1st Extension
 - 2nd Extension

Continuing Airworthiness (12 months)

- Has the aircraft and its components been maintained by a Part 145 AMO?
- Have all changes incorporated complied with Part 21 as approved by a DOA or the Agency?
- Has the aircraft operated outside the limits stipulated in the Flight Manual, Certificate of Airworthiness or other limit imposed by the Agency?
- Has the aircraft been involved in an accident or incident?

ARC Submission to the Competent Authority Documentation Review

- Complete the Verification Statement to be submitted to the Competent Authority
- Attach a copy of the Certificate of Registration to be submitted to the Competent Authority
- Attach a copy of the application for an ARC to be submitted to the Competent Authority
- Ensure that all findings do not affect safety, have been rectified or deferred, or reported to the Competent Authority (Findings that indicate systemic problems having no direct effect on safety should be raised as Corrective Actions) Include the following as required to be submitted to the Competent Authority:
 - A copy of the Export C of A
 - Documents signifying approval of the Flight Manual and supplements
 - An AD compliance list
 - A list of life-limited components
 - A copy of the proposed maintenance programme
 - The latest weight and balance schedule for the aircraft in its current configuration
 - Reference to Part 21 approvals for changes and repairs
 - A copy of work packages relating to maintenance and other work required by the operator and Agency
 - A copy of the check flight report
 - Confirmation of Issue, Extension or Recommendation for the Issue of an ARC
 - Aircraft registration:
 - Manufacturer's serial number: