




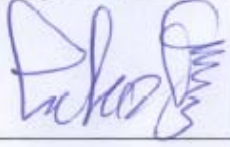


## AIRWORTHINESS DIRECTIVES AND MANDATORY SERVICE BULLETINS

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### AIRWORTHINESS NOTICE

VERSION : 3.3  
DATE OF IMPLEMENTATION : 11-06-2011  
OFFICE OF PRIME INTEREST : AIRWORTHINESS DIRECTORATE

	NAME	DESIGNATION	SIGNATURE
PREPARED BY	Engr. AAMIR HUSSAIN	Sr. Airworthiness Surveyor	
REVIEWED BY	Engr. SHAUKAT HAMEED	GM Airworthiness Surveyor (Audit & Surveillance)	
VERIFIED BY	Engr. MUNAWAR JAMAL QURESHI	GM Airworthiness (Regulation)	
APPROVED BY	Engr. GHULAM MURTAZA	Director Airworthiness	
TYPE OF DOCUMENT	AIRWORTHINESS NOTICE (AWNOT)		
STATUS OF DOCUMENT	CONTROLLED		

**A. AUTHORITY:**

- A1. This Airworthiness Notice has been issued under the Authority vested in DG CAA vide Rule 4, 19 and 27(b) of Civil Aviation Rules, 1994.

**B. PURPOSE:**

- B1. The purpose of this Airworthiness Notice is to ensure positive compliance with Airworthiness Directives and mandatory Service Bulletins.

**C. SCOPE:**

- C1. This Airworthiness Notice is applicable to all operators and maintenance repair organizations of Pakistan.

**D. DESCRIPTION:**

- D1. As a signatory to the Chicago Convention and, thereby, a member of ICAO, Pakistan is obligated to exchange continuing airworthiness information with ICAO Member States, as required by Annex 8, Part II, Chapter 4 to the Convention. The Standards and Recommended Practices contained in ICAO Annex 8, Airworthiness of Aircraft are used as the basis for Airworthiness Directives (ADs) as part of the overall continuing airworthiness of Pakistani aircraft.

- D2. It shall be the responsibility of the organization / operator / private owner to obtain and implement all applicable ADs within the prescribed period. However, PCAA shall check during C of A inspection or otherwise, that all applicable ADs are properly recorded and implemented. All Airworthiness Directives issued by the State of Design are mandatory subject to applicability and shall be carried out by the organization / operator / private owner within the time period mentioned in the AD.

- D3. Upon receipt of mandatory continuing airworthiness information from the State of Design, PCAA shall adopt the same directly.

- D4. Individual notification shall be issued by the Airworthiness Directorate against any mandatory Service Bulletin or similar instruction issued by Type Certificate holder. Similar notification will be issued, if Airworthiness Directorate consider that modification to an aircraft, engine, propeller or equipment installed is required.

- D5. Upon the receipt of information based on abnormal defect reporting, incidents and accidents or any other input, in order to safeguard the safety of aircraft operation, Airworthiness Directorate may impose mandatory airworthiness action on aeronautical products for which PCAA is not the state of design.

- D6. The mandatory modifications and inspections required to be embodied on aircraft registered in Pakistan shall generally be confined to those modifications and inspections issued by the State of Design or PCAA. All modifications carried out are to be informed to PCAA on CAA form No. CAAF-116-AWXX.

**D7. REGULATORY INSTRUCTIONS:**

- D7.1. All operators and maintenance repair organizations responsible for the maintenance of the continuing airworthiness shall ensure, collection of all applicable Airworthiness Directives to aircraft and associated equipment from either AD Section provided on the PCAA website or concerned website of regulatory body of State of Design.

- D7.2. Operators and Maintenance Repair Organizations, shall make standing arrangements with their suppliers for the supply of modification kits, so that, aircraft are not grounded unnecessarily due to late ordering and resultant delays in the delivery of such kits, which may give rise to deviation from applicable requirements.
- D7.3. Maintenance Organizations shall ensure to update AFM revision ALI's, CMR's and Aging Aircraft Program.
- D7.4. Applicants, at the time of "C of A" renewal, be required to furnish a summary showing compliance with mandatory modifications / Airworthiness Directives and Inspections.
- D7.5. It has been observed that very often when the ownership of an aircraft is changed, the new owner does not receive the Airworthiness Directives or at times fails to keep a proper record. It is the responsibility of the owner or operator to ensure that he / she is in receipt of all Airworthiness Directives issued by the State of Design of the equipment in use by him / her and shall keep an up-to-date record of the Airworthiness Directives and mandatory Service Bulletins embodied on their aircraft since birth.
- D7.6. Wherever time bar is indicated in case of Airworthiness Directive, mandatory Service Bulletins or Alerts SB, it should be strictly adhered to. In case of deferring the same, necessary permission shall be obtained from the PCAA Airworthiness Directorate in the form of Limited Authorization which will be submitted to respective Airworthiness field offices along with its full justification.
- D7.7. Owners and operators of aircraft registered in Pakistan are advised that it is a condition of the validity of the Certificate of Airworthiness that all Airworthiness Directives affecting safety must be incorporated and recorded in the relevant log books. A Certificate to the effect that all Airworthiness Directives, which affect safety, have been incorporated shall be required at the time of renewal of Certificate of Airworthiness.

**D8. RECORD-KEEPING REQUIREMENTS:**

- D8.1. For Airworthiness Directives - each operator should maintain the current status of applicable ADs for a particular airframe, engine, propeller, rotor or appliance. This record should:
- D8.1.1. Identify the particular airframe, engine, propeller, rotor or appliance
- D8.1.2. Identify the applicable AD (including amendment number, if required) of the State of the transferring operator, including a cross reference to the AD of the State of Design and any deviations thereof if applicable
- D8.1.3. Indicate the date, the flight hours, the flight cycles, the landings, etc. (as appropriate) when the AD was accomplished and when the next recurring inspection or action is due (if applicable)
- D8.1.4. Describe the method of compliance (if more than one method is specified in the AD); and
- D8.1.5. Show the appropriate measuring parameters (flight hours, flight cycles, landings, calendar times, etc.)

**Note:** Current status information is required to be maintained as long as the airframe, engine, propeller, rotor or appliance is used or intended to be used by the operator. Refer PCAA Form No. CAAF-137-AWXX.

**Note:** amendments/additions to above-mentioned Form may be made, if necessary).

D8.2. For Service Bulletin - all service bulletins that have been incorporated should be listed together with accomplishment dates (date, flight hours, flight cycles, landings, etc. as appropriate). If options are available, the option complied with should also be indicated. When a service bulletin involves recurring action, the times or dates, as applicable, of the last action and the next action due should be provided on PCAA Form No. CAAF-138-AWXX.

D8.3. Note: amendments/additions to the above form maybe made, if necessary).

D8.4. For Service Letters / Service Information Letters, etc - maintenance organizations, operators and / or engineers shall develop a system in which all service letters /service information letter, etc issued by the manufacturer are to be:

D8.4.1. Listed,

D8.4.2. Evaluated by an appropriately knowledgeable person and

D8.4.3. Recorded as to what actions have been taken.

D9. **MODIFICATION RECORD:**

D9.1. Modification record is a statement of the modification history of the aircraft to which it relates.

D9.2. A modification record book must be kept for each aircraft registered in Pakistan.

**Note:** The word 'aircraft' used in the context of this Airworthiness Notice does not apply to engines and propellers where suitable modification records are maintained in appropriate logbooks. The modification record book is considered an addition to the aircraft logbook.

D9.3. The following shall be recorded in the modification record:-

D9.3.1. Modifications made to those parts of the aircraft on which Airworthiness depends.

D9.3.2. Modifications made to the aircraft, which affect modifications already listed in the record book.

D9.3.3. Major repairs, which have significantly altered the design affecting the Airworthiness of the aircraft.

D9.4. Whenever a new aircraft is initially registered in Pakistan, the manufacturer shall make available the information necessary to comply with the requirements of this Airworthiness Notice by giving the modifications status at the time of manufacture.

D9.5. In case of used aircraft, the applicant for issue of PCAA Certificate of Airworthiness for a used aircraft, shall develop and maintain a modification record book from the time of registration in Pakistan, and shall record such of the modification history of the aircraft as is considered necessary by the PCAA.

- D9.6. A modification record, which is valid in the exporting country, and supplied with an aircraft to be imported and registered in Pakistan, may be acceptable in place of the modification record required by this Airworthiness Notice. Such a record shall be certified as accurate and up to date by the competent Airworthiness Authorities of the exporting country, and shall be acceptable to the PCAA.
- D9.7. The modification record must be up-to-date at the time of issue of the Certificate of Airworthiness for a new aircraft, at the renewal of the Certificate of Airworthiness, and at the time of sale or lease of the aircraft.
- D9.8. The modification record book shall be kept by the owner or operator of the aircraft, and shall be made available for examination, when required by the PCAA.

**E. EVIDENCES (ACRONYMS / RECORDS / REFERENCES):**

**E1. ACRONYMS:**

- E1.1 AD Airworthiness Directive  
E1.2 ALI's Airworthiness Limitation Inspection  
E1.3 AFM Aircraft Flight Manual  
E1.4 C of A Certificate of Airworthiness  
E1.5 CMR Certification Maintenance Requirement  
E1.6 PCAA Pakistan Civil Aviation Authority  
E1.7 SB Service Bulletins

**E2. RECORDS:**

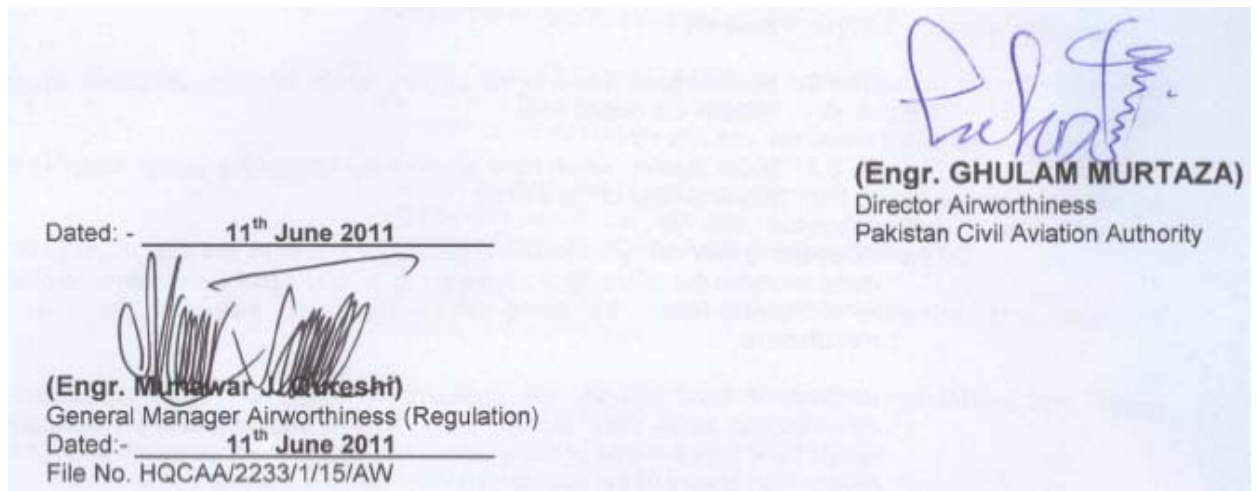
- E2.1 CAAF-116-AWXX.  
E2.2 CAAF-137-AWXX.  
E2.3 CAAF-138-AWXX.

**E3. REFERENCES:**

Nil

**IMPLEMENTATION:**

This Airworthiness Notice shall be implemented with effect from 11<sup>th</sup> June 2011 and repeals / cancels / supersedes Airworthiness Notice AWN0T-015-AWXX-3.2 dated 10-06-2011.



Dated: - 11<sup>th</sup> June 2011

(Engr. Ghulam Murtaza)  
Director Airworthiness  
Pakistan Civil Aviation Authority

(Engr. Munawar J. Qureshi)  
General Manager Airworthiness (Regulation)  
Dated:- 11<sup>th</sup> June 2011  
File No. HQCAA/2233/1/15/AW