

**DEPARTMENT OF CIVIL AVIATION
MALAYSIA
AIRWORTHINESS NOTICE**

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Date: 1 July 1997

MANDATORY MODIFICATIONS AND INSPECTIONS (AIRWORTHINESS DIRECTIVES)

1. Introduction

- 1.1 Authority is provided for the Director General of Civil Aviation (DGCA) to prescribe requirements in respect of inspection or modification of aircraft, its engines, propeller or installed equipment.
- 1.2 When an aircraft is affected by a mandatory inspection or modification issued in accordance with paragraph 1.1, it is legal for the aircraft to be flown (unless permission has been granted by the DGCA either generally or in relation to a specific case) until the prescribed requirement has been complied with.
- 1.3 Operators and maintenance organisations are required to obtain from Airworthiness Division, DCA, all relevant mandatory information relating to the relevant types of aircraft, engines and equipment with which they are involved.

2. Compliance

For the purpose of compliance, the prescribe requirements for the mandatory modifications and inspections as describe in 1.1 will be in three (3) different categories.

- i) For aircraft registered in Malaysia, Airworthiness Notices issued by DCA. Notices in this series will also be used to introduce new requirements.

A summary of the mandatory Airworthiness Notices will be issued in the form of an appendix known as Appendix 1 of this Notice.

- ii) For aircraft, engines, propellers or installed equipment for which Malaysia is the State of Design and the Certifying Authority, DCA will issue Airworthiness Directives (AD) which will be known as CAM AD.

A summary of CAM AD will be issued in the form of an appendix known as Appendix 2 of this Notice and the CAM AD will have the following numbering system, s/no-month-year, e.g. 001-04-1997.

- iii) For aircraft, engines, propellers or installed equipment for which Malaysia is the Validating Authority and the State of Registry, the following will apply:-
 - a) Airworthiness Directives issued by the Certifying Authority or State of Design (formerly known as State of Manufacturer) of the aircraft, engines, propeller or installed equipment.
 - b) Airworthiness Directives issued by DCA which be known as VAM AD. These VAM AD replace the MCAD and LTO.

A summary of VAM AD will be issued in the form of an appendix known as Appendix 3 of this Notice and the VAM AD will have the following numbering system, year-s/no e.g. 1997-002.

- 2.1 The current comparatively small size of the aircraft type and component manufactured in Malaysia and also the small size of Malaysian fleet of civil registered aircraft are such that DCA will only provide the revision service of Appendix 2 and Appendix 3 of this notice periodically.

3. Requirements

- 3.1 Airworthiness Directives (CAM AD) issued by the DCA in accordance with paragraph 2(ii) are an obligation as Malaysia is the State of Design in matters that affect aviation safety. These Directives are arise from various sources, e.g. manufacturers Service Bulletins, in service difficulty reports or a result of design investigation by the DCA.
- 3.2 Airworthiness Directives (VAM AD) issued by the DCA in accordance with paragraph 2(iii) (b) are intended to introduce requirements which have a direct bearing on airworthiness or operations but which, for a variety of reasons e.g. specifically Malaysian operating experience and are unlikely to be the subject of airworthiness directive action by the State of Design.
- 3.3 The Appendixes 2 and 3 associated with this Notice provides the lists of both the CAM AD and VAM AD, i.e. the definite listing of the Directives. The lists will be revised periodically as stated in paragraph 2.1.

- 3.4 With the issuance of CAM ADs and VAM ADs as described in this Notice, Letters to Operators (LTO) will only be issued for non mandatory information documentation or any administrative matters to operators.
- 3.6 The Appendix to this Notice Issue 4 dated 1 September 1994 is hereby replaced by Appendixes as stated in paragraph 2(i), (ii) and (iii), however the reference will be made to certain MCAD as reflected in current Appendix 3.
- 3.7 Contusion has arisen in Malaysia in the past when several regulatory authorities have issued Airworthiness Directives relating to a particular airframe or engine etc. Where the technical content of the directives have been aimed at the same problem but the associated compliance requirements have varied from one to another. Identification of the DCA requirements to be satisfied in such cases can best be illustrated by a hypotheticalal example: -

Aircraft type manufactured in the United Kingdom, with American manufactured engines, propellers manufactured in France and a cockpit voice recorder of American manufacture fitted by the operator as a modification :-

- (a) Airframe and installed equipment associated with the type certification of the aircraft – Mandatory Aircraft Modifications and Inspections Summary published by the UK CAA.
- (b) Engines:
Airworthiness Directives issued under Federal Aviation Requirements (FAR) Part 39 by The Federal Aviation Administration (FAA).
- (c) Propellers:
Consignes de Navigabilite issued by the Bureau Veritas.
- (d) Cockpit Voice Recorder (CVR)
Airworthiness Directives issued under FAR Part 39 by the FAA.
- (e) DCA Airworthiness Directives known as VAM AD (refer to Appendix 3 to this Notice).

4. Consultative Procedures

- 4.1 When the DCA is considering the introduction of a mandatory requirement in accordance with paragraph 3.1 and 3.2 which is likely to have a significant effect in terms of operator economics, a Notice of Consultation will be sent to affected operators.
- 4.2 Operators are encouraged to comment to the DCA on such proposals and all comments received will be given due consideration before the definitive requirement is issued.

5. Suspension

This Notice suspends the Appendix to Airworthiness Notice No. 4 Issue 4 dated September 1994, which should be kept for reference until further notice. Refer paragraph 3.6

6. Cancellation

This Notice cancels Airworthiness Notice No. 4 Issue 2 dated 1 September 1988, which should be destroyed.

DIRECTOR GENERAL
DEPARTMENT OF CIVIL AVIATION
MALAYSIA.