

**DEPARTMENT OF CIVIL AVIATION
MALAYSIA
AIRWORTHINESS NOTICE**

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DEFINITION OF RADIO INSTALLATION FOR THE ISSUE OF A CERTIFICATE OF AIRWORTHINESS

1. Introduction

- 1.1 As part of the certification process for the issue of a Certificate of Airworthiness the build standard of the aircraft concerned must be clearly established. For the airframe, power plant and systems this can be done by a check against the Type Certificate Data Sheet or equivalent document and associated documentation. This is not the case with the radio installation which is usually tailored to the customer's requirements.
- 1.2 Licenced Aircraft Maintenance Engineers and approved organisations should be aware that not only must the radio installation comply with Malaysian airworthiness requirements but it must also comply with the Malaysian Radio communications Regulations 1957. These Regulations satisfy the obligations of Malaysia under the Radio Regulations of the International Telecommunication Union. It is an offence to operate an aircraft radio installation which is not licensed in accordance with the Radiocommunication Regulations.
- 1.3 The Aircraft Station Licence is issued by the Telecommunications Department (Jabatan Telekom) subject to confirmation by the DCA that the radio installation is technically eligible for the issue of the Licence. The confirmation is supplied in the form of a Certificate of Approval of Aircraft Radio Installation, DCA Form Number JPA/AU/R2.

2. Requirements

- 2.1 In order to comply with the airworthiness requirements and the Radio Communication Regulations, it is essential that the radio installation including the installed equipment is clearly defined. For this reason, a statement in the form of an airframe log book certificate defining the radio installation must be made at the time of issue of the Certificate of Airworthiness for the aircraft concerned. The statement must be signed by an appropriately licensed Aircraft Maintenance Engineer. The statement must contain the following information:
 - (a) Details of the equipment installed
 - (b) Details of all aerials fitted and their location.
 - (c) Compliance statement for all applicable Airworthiness Directives and Airworthiness Notices.
 - (d) Details of any modifications carried out at the time of issue of the Certificate of Airworthiness.

NOTE: For newly manufactured aircraft, the DCA will be prepared to consider the acceptance of alternative documents which satisfy the requirements of (a) to (d) above.

3. Procedure

- 3.1 Details of the radio installation should be supplied with the application for the issue of a Certificate of Airworthiness (DCA form AP2 and associated Appendix A).
- 3.2 The Licenced engineer concerned should liaise at an early stage with the DCA Airworthiness Unit to establish the level of maintenance and inspection of the radio installation required as a condition for the issue of the Certificate of Airworthiness. A log book certificate must be issued to certify the completion of the agreed maintenance and inspection and a copy supplied for DCA records, together with a copy of the certificate required by paragraph 2.1.
- 3.3 Subject to a satisfactory survey of the radio installation by a DCA surveyor, the DCA will issue the necessary Certificate of Approval of Aircraft Radio Installation to the applicant for the Certificate of Airworthiness. It is then his responsibility to apply to Telecommunications Department (Jabatan Telekom) for the issue of an Aircraft Station Licence.
- 3.4 In certain circumstances, the DCA is prepared to issue short term Certificates of Airworthiness to allow an aircraft to be ferried from a foreign country to Malaysia, with the full certification formalities being completed after arrival in Malaysia, including survey of the aircraft radio installation. Agreements exist between the DCA and Telecommunications Department (Jabatan Telekom) to permit the issue of an Aircraft Station Licence for such ferry flights and details can be supplied by the DCA Airworthiness Unit on request.