



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

CIVIL AVIATION DEPARTMENT
MINISTRY OF TRANSPORT AND CIVIL AVIATION
Male'
Republic of Maldives

MALDIVIAN AIRWORTHINESS REQUIREMENTS

Series "D" No. 05
Issue 01
Dated: 09 January 2003
Effective Forthwith

**OVERHAUL, REPAIR, REPLACEMENT, MODIFICATION & INSPECTION OF
AIRCRAFT, COMPONENT OR EQUIPMENT**

1. General

Pursuant to the Civil Aviation Regulation Part 6, this MAR prescribes the requirements for overhauls, repairs, replacements, and approved modifications or inspections to an aircraft including its components or equipment, the certification of such work and issue of certificate of release to service.

2. Overhauls and replacements shall be made within periods approved by the Civil Aviation Department

Note: These periods may be specified in approved maintenance schedules or approved data and documents such as manufacturers maintenance and overhaul manuals etc.

3. Overhaul shall be undertaken and certified by a person or organisation approved for the purpose in accordance with MAR Series E-01
4. Except for work specified in an approved maintenance schedule, or within the scope of a licensed engineer's responsibilities as specified in MAR Series D -03 all repairs, modifications and inspections shall be undertaken and certified by a person or organisation approved for the purpose.

Note:

- (1) *The classes of persons or organisations who may issue certificate of release to service are prescribed in CAR Part 6.11*
- (2) *The responsibilities of person undertaking this work are specified in MAR Series D-01*
- (3) *The requirements for design of a certificate of release to service are specified in this MAR Appendix 1.*

5. The person responsible for work involving repairs to structures or other essential components or equipment in accordance with MAR Series C-04 shall advise the Civil Aviation Department of the occurrence as soon as possible after the damage, defect is found or assessed. Where temporary repairs have been made else where, the Civil Aviation Department shall be advised as soon as possible of the nature of the repairs and before such temporary repairs replaced.
6. Overhauls, repairs, replacements, modifications and inspections shall be made in accordance with appropriate approved data or documents specified in MAR Series D-01 or where appropriate the requirements in MAR Series C-02.
7. The effect of Overhauls, repairs, replacements, modifications shall be assessed and:
 - (a) Where the flight or operating characteristics of the aircraft or its components may have been effected by the work, the aircraft shall not be released for service until it has been certified as fit for flight and tested in flight in accordance with an approved test schedule, unless other procedures have been approved.

Note: Requirements for design of a certificate of fitness for flight under 'A' conditions are specified in this MAR Appendix 2.

 - (b) The effect of the work on the empty weight and centre of gravity position of the aircraft calculated. where significant changes have occurred the results shall be submitted to the Civil Aviation Department who will determine where re-weighing and/or preparation of a new weight schedule is required.
8. A modification affecting the instrument panel shall ensure that instruments that are used by any pilot are so arranged as to permit the pilot to see their indications clearly from his or her station, with the minimum possible deviation from the position and line of vision normally assumed when looking forward along the flight path.
9. A modification affecting equipment required for communications or navigation purposes, or both, shall ensure that the failure of any single unit required for communications or navigation, or both will not result in failure of another unit required for communications or navigation, or both, will not result in the failure of another unit required for communications or navigation.

10. EFFECTIVITY

This Issue of Maldivian Airworthiness Requirement comes into effect on 9 January 2003.



Mahmood Razee

DIRECTOR GENERAL OF CIVIL AVIATION

APPENDIX 1
CERTIFICATE OF RELEASE TO SERVICE

The Certificate of release to service shall contain particulars of the work done in the inspection completed and the organisation and place at which the work was carried out. Depending upon the application of the certificate., details of the aircraft type registration, component type, part number and serial number shall be recorded as applicable. The certification shall be worded in the following manner.

CERTIFICATE OF RELEASE TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the CAR for the time being in force and in that respect the aircraft/equipment is considered fit for release to service.

DATE _____ SIGNED _____

AMO Approval Ref or Licence No: _____

- Note:
- (1) *A person issuing a certificate of release to service is responsible that, if necessary any statements made can be substantiated.*
 - (2) *Certificate of Release to Service is required to be retained by the operator with the appropriate log book or other approved records until two years after the aircraft or component has been destroyed or permanently withdrawn from use.*

APPENDIX 2
CERTIFICATE OF FITNESS FOR FLIGHT

1- The certificate shall be as follows:

CERTIFICATE OF FITNESS FOR FLIGHT

AIRCRAFT REGISTRATION

It is hereby certified that the aircraft defined hereon has been inspected and is fit for flight provided it is properly loaded.

This Certificate is valid until _____ or until the airworthiness condition of the aircraft is altered, whichever is earlier.

Signed _____	Lic No _____ App No. _____	Cat "A"
	Date _____	
Signed _____	Lic No _____ App No. _____	Cat "A"
	Date _____	

- Note:*
- (1) *The period of validity shall be stated but shall not exceed 7 days*
 - (2) *The Certificate shall be issued in duplicate and one copy kept elsewhere than in the aircraft.*
 - (3) *A Certificate of fitness for Flight shall be issued only by the holder of an appropriate aircraft maintenance engineer's licence granted or rendered valid by Authority*
 - (4) *If the original airworthiness condition of the aircraft is effected during the period of validity, the Certificate shall be re-issued.*

CHAPTER 4.3 : MAINTENANCE OF AIRCRAFT
APPENDIX 1A

ISSUE OF CERTIFICATE OF MAINTENANCE REVIEW

Effective Date: 1st December 2002

Revision No; 0 (issue 2)

1- Requirements for Applicants

1.1 Persons seeking authorisation/approvals to issue Certificate of Maintenance Review shall comply with the following :

- (a) Hold a current Maldivian Aircraft Maintenance Engineer Licence in at least two Categories appropriate to the aircraft type for which authorisation/approvals sought.
- (b) Have at least eight years' experience of aircraft maintenance, which includes at least two years recent experience involving the certification of maintenance.
- (c) Hold a position within the Approved Organisation compatible with the responsibilities involved.
- (d) Have successfully completed familiarisation training on the aircraft type for which authorisation/approval is sought, have been trained in the procedures of the Organisations and have passed the prescribed examinations and based upon the following.
 - (i) The concept of Approval in accordance with Section 6 and other requirements prescribed by the civil aviation Department.
 - (ii) The status of the Certificate of Maintenance A Review and the responsibilities of a signatory of the Certificate.
 - (iii) The form and implementation of the Approved Maintenance Schedule for the type of aircraft concerned.
 - (iv) The details of the system and procedures contained in the Exposition and associated documents, together with the Exposition and associated documents, together with the requirements of the Organisation for their implementation.
 - (v) The maintenance support systems which are related to continuing airworthiness, e.g. reliability programmes, defect control, production control, development engineering, training, certification authority and modification control.

- (vi) The form and use of the aircraft technical log, deferred defect log, fuel and instrument log, and the minimum equipment list.
- (vii) The form and implementation of mandatory inspection/modification as required by airworthiness Notice No.C10 (Mandatory Modification Inspections) for the type of aircraft concerned.

2. Validity of Authorisations/Approvals

- 2.1 Authorisation/approvals granted in accordance with the Appendix shall only be used, subject to their conditions of validity, whilst the holder remaining in the employ of Approved Organisation and his licence remains valid.

RELIABILITY CONTROL PROGRAMMES

- 1- Approval for the establishment of a reliability control programme and/or condition monitoring programme will be dependent on the operator submitting adequate details of the company policies and for administering such a programmes.
2. The following aspects are essential and must be included in the submission.
 - (a) Programmes and their associated control systems must be directed by a board consisting of senior members of the operator who are responsible for engineering quality and maintenance and who will be responsible to establish company policy and procedures to co-ordinate all action within the company and to liaise with the Civil aviation Department on the initial approval and subsequent revisions to the programme, and surveillance of the programme.
 - (b) Responsibilities of each board member and their departments, and the responsibilities for co-ordination between the departments.
 - (c) The information to be utilised for assessment of reliability.
 - (d) Policies for the establishment of levels of acceptable reliability for all components and equipment controlled by the programme.
 - (e) Procedures for selection of items to be included in the programme and schedule of the items that are controlled by the programme.
 - (f) Policies for monitoring and analysis of operational data, investigation of unsatisfactory performance and appropriate rectification action.
 - (g) Provisions of forms and exhibits to ensure that all action is formally documented and to facilitate monitoring and surveillance of the programme.
 - (h) Provision for an ETOPS reliability programme in accordance with SAR 4.11 Appendix 1 paragraph 6.