

NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

SECTION C

MAINTENANCE REQUIREMENTS

CHAPTER C.4

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MAINTENANCE SCHEDULES

1. GENERAL

- 1.1 This chapter prescribes the requirements for Maintenance Schedules, including the Maintenance Programme and the standards for obtaining approval.
- 1.2 Chapter C.1 prescribes that the operator shall provide, for the use and guidance of maintenance and operational personnel concerned, a maintenance program/schedule, approved by the Director General, containing the information required in the following paragraph 2.
- 1.3 The specific periodic maintenance task and their frequency of completion and related procedures such as reliability programme, necessary for safe operation of the aircraft shall be prescribed in the Maintenance Programme included in the Maintenance Schedule.
- 1.4 The design and application of the Operator's Maintenance Programme shall take into consideration Human Factors principles.
- 1.5 An approved Maintenance Schedule prescribes the minimum maintenance to be performed: additional maintenance necessitated by defects or deteriorating condition shall be performed whenever necessary.

2. MAINTENANCE SCHEDULE CONTENT

- 2.1 Approval of Maintenance Schedule will be granted only if it contains:
 - a) The registered name and address of the operator,
 - b) A reference number, issue number and date,
 - c) The type designation of the aircraft and, as applicable, identification of the types of engines, propellers and avionic equipment installed,
 - d) The intended operational use of the aircraft,
 - e) Daily and/or pre-flight check list,
 - f) The maximum periods for which a Maintenance Release may be issued,
 - g) Schedule Inspection to be made on the aircraft, aircraft components and aircraft systems and installed equipment including their cleaning, inspection and lubrication,

Checks to be made after abnormal occurrences, such as heavy landings, abnormal flight loads, lightning strikes, bird strikes, etc.

h) The Maintenance Programme.

2.2 A Maintenance Programme shall contain:

- a) maintenance tasks and the intervals at which these are to be performed, taking into account the anticipated utilization of the aeroplane;
- b) when applicable, a continuing structural integrity programme;
- c) procedures for changing or deviating from a) and b) above; and
- d) when applicable, condition monitoring and reliability programme descriptions for aircraft systems, components and powerplants.

Maintenance tasks and intervals that have been specified as mandatory in approval of the type design shall be identified as such.

The maintenance programme should be based on maintenance programme information made available by the State of Design or by the organization responsible for the type design, and any additional applicable experience.

2.3 A Maintenance Programme must identify any components to be maintained "On Condition" or by "Condition Monitoring" and describe related procedures such as reliability programme, engine condition trend monitoring programme (ECTM) etc. and also specify any periodic checks to be made to indicate their condition. The guidelines for the development of reliability monitoring program has been given in the appendix to this chapter.

2.4 The periods between schedule inspections will normally be in terms of time in service with overriding calendar times, but inspections governed by other criteria, such as number of landings or engine running cycles, may also be approved.

2.5 The Maintenance Schedule shall have provision for the incorporation of amendments required by the Director General, such as those arising from the issue of Airworthiness Directives or to comply with the standards of Chapter C.14 and C.15 of these Requirements.

3. COMPILATION AND AMENDMENT

3.1 For the continuing airworthiness of the aircraft, the aircraft operator is responsible for the compilation of the Maintenance Schedule for his aircraft and for its submission for approval to the Airworthiness Inspection Division, Aviation Safety Department, Civil Aviation Authority of Nepal.

3.2 A Maintenance Schedule may be based on a schedule from the aircraft manufacturer or from another operator of the same type of aircraft but must include any changes required to comply with these Requirements or to suit Nepalese operating conditions and maintenance facilities.

3.3 When applying for approval, two copies of the Maintenance Schedule or of amendments thereto, must be submitted to the Airworthiness Inspection Division,

Aviation Safety Department, and Civil Aviation Authority of Nepal. If approval is granted, one copy will be returned to the operator, bearing an approval stamp and signature; the other copy will be retained by the Airworthiness Inspection Division. The returned, stamped copy is the operator's master copy and all working copies must be identical with it.

- 3.4 After a Maintenance Schedule is approved any subsequent amendments must also be approved. Repetitive inspections prescribed by an Airworthiness Directive must be added to the schedule and submitted for approval within one month of the issue of the Airworthiness Directive.
- 3.5 If a modification or repair embodied in an aircraft, or the installation of additional equipment, affects the maintenance required, an amendment to the Maintenance Schedule must be submitted for approval.
- 3.6 Where additional maintenance instructions have been prepared in compliance with the standards of Chapter C.14 and C.15 of these Requirements, these shall be incorporated into the Maintenance Schedule and an amendment to the Maintenance Schedule must be submitted for approval.
- 3.7 Copies of all amendments to the maintenance programme shall be furnished promptly to all organizations or persons to whom the maintenance programme has been issued.

Civil Aviation Authority of Nepal