

GOVERNMENT OF INDIA
CIVIL AVIATION DEPARTMENT

CIVIL AVIATION REQUIREMENTS
SECTION 2 - AIRWORTHINESS
SERIES 'L' PART III
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EFFECTIVE : FORTHWITH

Subject:- Classification and Certification Responsibilities of
Aircraft Maintenance Engineer's Licence for
Helicopters.

1. APPLICABILITY :

This part of Civil Airworthiness Requirements specifies the requirements for issue, extension and renewal of Aircraft Maintenance Engineer's licence for maintenance and certification of helicopters. Age, qualifications, privileges, and the procedure for conduction of examination as given in Rule 61 of Indian Aircraft Rule 1937 shall also be applicable in respect of AMEs licences for helicopters.

2. LICENCE :

Licences may be issued/endorsed in Categories 'A' & 'C' (combined) for helicopters with all up weight not exceeding 3000 Kg. For helicopters with all up weight exceeding 3000 Kg., separate endorsement in Categories 'A' & 'C' shall be issued.

3. EXAMINATION PROCEDURES:

An applicant for the issue/extension of AME's licence for helicopter shall be required to undergo tests which may consist of written examination followed by oral-cum-practical examination.

The written examination shall consist of :

3.1 Basic Papers

- 3.1.1 Paper I - General Aircraft Rules
- 3.1.2 Paper II - General Engineering Practices.
- 3.1.3 Paper III

For all helicopters irrespective of all up weight, separate papers for aircraft and engine shall be undertaken.

3.2 Specific Paper - Paper IV

- 3.2.1 For helicopters with AUV not exceeding 3000 Kg., a combined paper for all air frame and engine to cover the specific type of helicopter shall be undertaken.
- 3.2.2 For helicopters with AUV exceeding 3000 Kg., separate

papers to cover the specific type airframe or engine in categories 'A' or 'C' respectively shall be undertaken.

4. CERTIFICATION RESPONSIBILITIES :

4.1 In pursuance of Aircraft Rule 60, the requirements for the Flight Release Certification have been spelt out in CAR Series F Part III, which are also applicable to helicopter operations.

4.2 When a certificate of Flight Release for any helicopter in respect of both airframe and engine(s) is issued by one AME licenced in both 'A' and 'C' categories, the question of line of demarcation between the duties relevant to these categories does not arise. However, when the certification of Flight Release for the helicopter is given by two different persons licenced in categories 'A' and 'C' there may be certain overlapping of responsibilities. In order that there shall be no doubt regarding the division of duties of two such persons, broad guidelines for the respective duties of AMEs licenced in category 'A' and those licenced in category 'C' are given below :

4.3 Category - 'A'.

4.3.1 The AME licenced in cat. 'A' is required to certify all parts of the helicopter except the engine/power plant and its installation.

4.3.2 All parts of airframe for assembly, condition and where applicable, functioning.

4.3.3 All connections to airframe structure for security of attachment.

4.3.4 All flight controls including collective, cyclic and yaw controls and all controls connected to aircraft equipment for condition, assembly and correct functioning.

4.3.5 Main rotor, rotor brake, main gear box, intermediate gear box, tail rotor, tail gear box and the transmission shafts for assembly, condition and correct functioning.

4.3.6 Balancing and tracking of main rotor and tail rotor.

4.3.7 All items of equipment including hand fire extinguishers, safety belts and harnesses, seats, life belts flotation gear and rafts etc. for condition, functioning and security of stowage.

4.3.8 All parts of installation required for operating any of the items including heating and airconditioning systems, doors, windows and jettisoning devices, oxygen systems, hydraulic systems, pneumatic systems, pilot

systems, airframe fuel systems including fuel tanks, pump fire prevention detection and extinguishing systems, landing gears including oleo shock struts and retracting devices, wheel brakes, all pipelines and wires connecting above systems.

4.3.9 Flying instruments for proper functioning, condition and rectification of minor defects.

4.3.10 Electrical system for condition, proper functioning and rectification of minor defects.

4.4 Category 'C'.

4.4.1 All parts of power plants including engines for condition, assembly and installation.

4.4.2 Engine mounts and cowls for condition and security of attachment.

4.4.3 Auxilliary gear boxes, engine driven blowers, generators, pumps, engine oil systems, starting systems, ignition systems, fire prevention, detection and extinguishing systems for security of attachment, condition and proper functioning.

4.4.4 All controls connected with engines and their systems including engine fuel control system for condition, assembly and correct functioning.

4.4.5 All engine instruments for security of attachment, proper functioning and rectification of minor defects.

4.4.6 Engine electrical and electronic systems and parts for proper functioning and rectification of minor defects.

5. ENGINE POWER CHECK :

The power check of the engine shall be the responsibility of flight crew, as defined in the appropriate flight manual.

Sd/-

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