

NEPALESE CIVIL AIRWORTHINESS REQUIREMENTS

SECTION F

AIRCRAFT MAINTENANCE TECHNICIAN LICENCES

CHAPTER F.4

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RESPONSIBILITIES OF LICENSED AIRCRAFT MAINTENANCE TECHNICIANS

1. GENERAL

- 1.1 The privileges granted to the holder of a rated aircraft maintenance technician licence are prescribed in Chapter F.1; no privileges are granted by the issue of an unrated licence in any category. This chapter amplifies the prescription of Chapter F.1 and defines the responsibilities and limitations of holders of rated licenses in each category.
- 1.2 Any maintenance which involves the certification of work which is outside the privileges of an aircraft maintenance technician licensed in one category only, shall be jointly certified by technician who, between them, are licensed in all the appropriate categories.
- 1.3 Any maintenance which involves welding, non-destructive testing other than penetrant-dye testing, or other work involving specialist skills such as heat treatment or electro-plating, may be certified by an aircraft maintenance technician only if he holds a Certificate of Competency or an approval for the purpose.

Note: An applicant for a Certificate of Competency must apply to the Airworthiness Division. A certificate of Competency will be granted only to an applicant who has been appropriately trained and passes such tests as the Director General may require.

- 1.4 The holder of a Type II licence is not authorized to certify work which has involved partial or complete disturbance of bench-tested components, unless adjustment or module replacement is normally performed in situ and functioning tests can be completed using only test equipment normally used for in situ testing.

2. LICENCE IN CATEGORY 'A'

- 2.1 A licence in Category 'A' authorizes the holder to certify, for the aeroplanes or rotorcraft for which his licence is rated, minor maintenance of:
 - a) the aircraft structure, including all transparencies,
 - b) the flying control systems except auto-flight systems,

- c) the landing-gear,
- d) the airframe systems, except those defined as avionic systems or powerplant systems,
- e) fuel and oil tanks which are not an integral part of the powerplant,
- f) rotorcraft clutches, transmissions and rotors, including balancing of rotors,
- g) safety equipment, e.g. life jackets dinghies and first aid kits,
- h) control cabin and passenger cabin furnishings; galley, toilet and cargo compartment equipment and systems,
- i) equipment for aerial work, parachute dropping, etc., placards and markings.

2.2 The holder of a licence in Category 'A' may issue Certificates of Compliance relating to replacement of airframe electrical or instrument components provided the subsequent serviceability of the electrical or instrument installations can be function checked without using avionic test equipment and if no appropriately licensed technician is available.

2.3 The holder of a licence in Category 'A' may weigh an aeroplane or rotorcraft for which his licence is rated and calculate the Empty Weight centre-of-gravity position.

2.4 Unless approved to do so by the Director General, the holder of a licence in Category 'A' is not authorised to certify major maintenance, which includes:

- a) reassembly of structural joints requiring special techniques,
- b) complete riveted, glued or bonded joints in structures,
- c) welded and brazed joints,
- d) fabric covering of a complete fuselage or aerofoil

3. LICENCE IN CATEGORY 'C'

3.1 A licence in Category 'C' authorizes the holder to certify, for the engines for which his licence is rated, minor maintenance of:

- a) installed propulsion and A.P.U. engines and the work involved in changing an engine,
- b) installed propellers and the work involved in changing a propeller,
- c) powerplant control systems, including thrust reverser controls, from control cabin to powerplant,
- d) powerplant supply systems, i.e. fuel, oil and water/methanol,
- e) powerplant protection systems, i.e. anti-icing, de-icing, fire detection and fire extinguishing systems,
- f) components driven by or associated with the engine, such as gear boxes, coolers, turbo-chargers, etc.

- g) powerplant cowling, firewalls, shrouds, thrust reversers, pylons, engine mountings, etc.,
- h) engine placards and markings.

3.2 The holder of a licence in Category 'C' may issue Certificates of Compliance relating to replacement only of engine electrical or instrument components provided the subsequent serviceability of the electrical or instrument installations can be function checked without using avionic test equipment, and if no appropriately licensed technician is available.

3.3 The holder of a licence in Category 'C' may ground test the engines for which his licence is rated provided he is familiar with the aeroplanes in which they are installed.

Note: Ground test of engines installed on rotorcraft is not authorized.

3.4 Unless approved to do so by the Director General, the holder of a licence in Category 'C' is not authorized to certify major engine maintenance, which includes:

- a) any dismantling of a piston engine to a greater extent than is necessary to perform top overhaul of the cylinders,
- b) any dismantling of a gas turbine engine to a greater extent than is necessary to perform work specified as "line maintenance" modular unit change or hot section inspection, balancing of propellers or rotating assemblies,
- c) welded or brazed joints.

4. LICENCE IN CATEGORY 'X' (ELECTRICAL)

4.1 A licence in Category 'X' (Electrical) authorizes the holder to certify minor maintenance of the electrical systems of the aeroplanes or rotorcraft for which the licence is rated, including:

- a) the electrical power generation and control system, including constant speed drives, transformers, rectifiers and voltage regulators,
- b) the electrical power distribution and consuming systems, including busbars, cables, switches, relays and motors,
- c) engine starting and ignition systems,
- d) electrical systems for sensing, controlling, lighting or heating
- e) testing and re-charging aircraft batteries.
- f) testing aircraft bonding.

5. LICENCE IN CATEGORY 'X' (INSTRUMENTS)

5.1 A licence in Category 'X' (Instruments) authorizes the holder to certify minor maintenance of the instruments, auto-flight systems, compasses and instrument systems of the aeroplanes or rotorcraft for which the licence is rated, including:

- a) sensors and indicators, including bench tests of standard flight and engine indicating instruments for serviceability,
- b) calibration of direct reading and remote reading compasses,
- c) flight director and automatic flight systems,
- d) air data systems,
- e) inertial navigation systems,
- f) flight data recorders.

6. LICENCE IN CATEGORY 'R' (RADIO AND ASSOCIATED AVIONIC SYSTEMS)

6.1 A licence in Category 'R' (Radio and associated avionic systems) authorizes the holder to certify minor maintenance of the radio and associated avionic systems for which the licence is rated, including:

- a) radio or radar receiving and transmitting equipments,
- b) radio station power supplies, selectors, feeders and aerials,
- c) headsets and microphones,
- d) aircraft intercommunication and passenger entertainment systems
- e) electronic alerting systems.

6.2 The holder of a licence in Category 'R' which is rated for A.D.F. systems, may certify the calibration of rotatable A.D.F. loop aerials after a ground or air check calibration which he has witnessed.

Civil Aviation Authority of Nepal.