

Section X

Flight Engineer's Licence

1. Requirement for the issue/extension of licence— An applicant for issue/extension of flight engineer's licence shall satisfy the following requirements—

(a) He must have a current Student Flight Engineer's Licence on the type of aircraft which is desired to be included in the aircraft rating of his flight engineer's licence.

(b) Medical fitness— He shall produce on a prescribed proforma a certificate of physical fitness from an approved Medical Board after undergoing a medical examination during which he shall have established his medical fitness on the basis of compliance with the requirements as notified by the Director-General under Rule 39B.

(c) Experience— An applicant shall produce evidence of having completed within a period of twelve months immediately preceding the date of his application for licence hundred hours of flying experience on the type of aircraft desired to be included in the licence. Out of this flying experience not more than fifty hours shall be obtained on an approved synthetic flight trainer.

(d) Skill— He shall have demonstrated his competency as a flight engineer to the satisfaction of Director-General of Civil Aviation approved Examiner by undergoing the following tests on the type of aircraft to which the application relates within a period not exceeding six months immediately preceding the date of such application:

(i) Normal Operations— A check on representative air route covering -

— pre-flight inspection;

— refuelling procedure;

— inspection of appropriate maintenance documents;

— all normal procedure applicable to his duties as specified in the relevant parts of Operations Manual, crew co-operation; and

— defect reporting.

(ii) Abnormal and alternate (stand by) operation— A check on his ability to recognise abnormal functioning of systems and use of alternate (stand by) procedures.

(iii) Emergency procedures— Demonstration of practical knowledge of emergency procedures and the ability to take appropriate action in the event of engine failure occurring particularly during take-offs and landings.

2. Validity— The period of validity shall commence from the date of issue or renewal of the licence. The licence shall be valid for a period specified in rule 39C subject to compliance with renewal requirements as stipulated in para 3 hereinafter.

3. Renewal— The licence may be renewed on receipt of satisfactory evidence of an applicant—

(a) having undergone a successful medical examination in accordance with clause (b) of paragraph 1;

(b) having satisfactorily completed not less than twenty hours of Flight time as a flight engineer within a period of six months immediately preceding the date of application for renewal or in lieu thereof having flight tests as laid down in clause (d) of paragraph 1 within the same period.

4. Aircraft rating— The licence shall indicate the type of aircraft the holder is entitled to fly in the capacity of a flight engineer.

5. Extension of aircraft rating— For extension of aircraft rating to include an additional type of aircraft, an applicant shall be required to produce evidence of—

(a) having a current student flight engineer's licence on the type of aircraft which is desired to be included in the aircraft rating of his licence;

(b) having completed within a period of twelve months immediately preceding the date of the application for extension of aircraft rating, fifty hours of flying experience on the type of aircraft desired to be included in his licence. Out of this flying experience not more than twentyfive hours shall have been obtained on an approved synthetic flight trainer.

(c) having successfully completed the flight test as laid down in clause (d) of paragraph 1 in respect of the type of the aircraft for which the aircraft rating is desired, within a period of six months immediately preceding the date of the application for extension of aircraft rating.

6. Privileges— Subject to the endorsements and rating in the licence, the privileges of the holder of a flight engineer's licence shall be to act as flight engineer in any aircraft of a type specified in the aircraft rating of his licence provided during the preceding twelve months he has demonstrated his competency as per para 1(d) (ii) and (iii) above, to an approved examiner, to undertake duties of flight engineer in the type of aircraft or in an approved flight simulator.