



GOVERNMENT OF INDIA
OFFICE OF THE DIRECTOR GENERAL OF CIVIL AVIATION
TECHNICAL CENTRE, OPP. SAFDARJUNG AIRPORT, NEW DELHI

CIVIL AVIATION REQUIREMENTS
SECTION 2 - AIRWORTHINESS
SERIES 'L', PART II
20th JANUARY 1992

EFFECTIVE: FORTHWITH

Subject: Procedure of Examination for Issue/ Extension of Basic Licence and Aircraft Maintenance Engineer's Licence.

1. Introduction:

Rule 61 of the Aircraft Rules, 1937 details the various categories of AME licence required for the purpose of aircraft certification. The Rule also lays down the basic educational qualifications and other requirements for acquiring the AME licence by an applicant. The details of the experience requirements for various categories of AME licence are mentioned in CAR Section 2 Series 'L' Part I. This CAR details the procedure for appearing in various examinations conducted by the Director General of Civil Aviation for acquiring Basic Licence and AME licence.

a) Examination:

The examination for AME licence will consist of two parts i.e., written papers followed by an oral cum-practical test (skill test).

2.1 Written Papers:

The written papers will comprise of Basic Papers and a Specific Paper. The written papers will contain multiple-choice questions. The pass percentage in each paper will be 70%.

2.1.1 Basic Papers:

The Basic Papers will consist of the following written papers:

a) Paper I – Air Law, Airworthiness Requirements & Human Performance

This paper contains questions pertaining to Aircraft Rules, Civil Aviation Requirements, and human factors etc. as in the syllabus. This paper will be

common to all categories of AME/ Basic Licence. The applicant, who has once passed Paper I, will not be required to appear in this paper at any time thereafter.

Note: Human performance relevant to aircraft maintenance.— Guidance material on human performance can be found in the Human Factors Training Manual (ICAO Doc 9683).

b) **Paper II - Aircraft Engineering**

This paper contains questions pertaining to general engineering, workshop practices, basic electricity and electronics, basic knowledge of computers etc. as detailed in the syllabus. This paper will be common to all categories of AME/ Basic Licence. The applicant, who has once passed Paper II, will not be required to appear in this paper at any time thereafter.

c) **Paper III – Basic Aircraft/ Power Plant/ Systems**

This paper will contain questions on the basic principles and general theory of flight or power plants or electricity or instruments or radio systems as prescribed in the syllabus for each category of the AME/Basic Licence. There will be a separate question paper for each category of AME/Basic Licence. The applicant, who passes this paper in a category of AME/Basic License, will not be required to appear any time thereafter.

2.1.2 a) **Paper IV- (Specific Paper)**

The Specific Paper will consist of only one written paper. This paper will contain questions pertaining to maintenance / overhaul / repair / construction, as applicable to the category of AME license to cover particular type of aircraft/ engine/ system. However, the applicants who have successfully completed a DGCA approved or manufacturer's training course on the particular type of aircraft / engine / systems, will be exempted from this paper.

Note: An applicant for Paper IV examination shall have undergone a training course on the type of aircraft / power plant / system. Such courses shall be approved by the Quality Manager who shall certify the training.

b) **Approved Course**

The type training programme of Aircraft / Power Plant / systems consisting of theoretical and OJT, conducted by the manufacturer or training establishments approved by FAA/ EASA/ DGCA, is considered as approved course. The approved training course conducted abroad at manufacturer's facilities or at manufacturer's approved OEM, if approved by FAA or EASA under Part 147, shall be acceptable to DGCA and an individual approval will not be required. The duration of approved training course if conducted in India by an airline shall not be less than that of manufacturer's training or OEM's training.

2.1.3 **Oral-cum-Practical Test (Skill test)**

a) Applicants having passed Paper IV or approved course of specific types of aircraft/ power plant/ systems may submit applications along with the

requisite amount of fees through Quality Control Manager/Principal Training Officer to Regional Airworthiness Office who will conduct the skill test of these persons and will also declare the result accordingly.

- b) This test will be conducted to assess the knowledge of the applicant's familiarization with the aircraft / power plant / system, and his skill/ competency in carrying out maintenance tasks, snag rectification, etc. use of maintenance data, tools and equipments. The pass percentage will be 70%.
- c) The applicant can avail three chances of skill test within a period of 30 months from the date of passing of the Paper IV or successful completion of the approved course. Proposal for grant of further extension if required may be submitted to concerned RAO for consideration after giving sufficient justification.
- d) The applicant, who is declared failed in the skill test, can avail the subsequent chance provided he has gained three months additional experience on the particular type of aircraft / engine/ systems.
- e) The applicant, who have passed all the written papers and are qualified for appearing in skill test for issue or extension of AME licence, will be intimated accordingly. They should contact the Regional Airworthiness Office for suitable date for skill test.

3. Requirements for appearing in the written papers:

- a) With effect from February, 2008 Session, an applicant will be permitted to appear in Paper III of the written examination only after passing both Paper I and Paper II.
- b) The applicant will be permitted to appear in Paper IV (Specific) or attend the approved training course on a particular type of aircraft / engine / system only after he has passed all the basic papers relevant to the category of AME License.
- c) An applicant who scores less than 35% marks in a particular paper in two consecutive examinations / sessions will not be permitted to appear in that paper in the next examination / session. For instance, a candidate scoring less than 35% marks in a particular paper in June 2007 and October 2007 sessions will not be permitted to appear in the February, 2008 session examination.
- d) From October 2007 Session, only Basic Papers I, II and III will be conducted by CEO. Specific Paper IV will be conducted by Director of Airworthiness of the concerned region.
- e) The examination for Paper IV shall be conducted on need basis and shall not follow the schedule of regular sessions of examinations conducted by CEO.

4. Procedure for appearing in Written Examinations:

4.1 Allotment of Computer Number:

- 4.1.1 An applicant is required to obtain a Computer Number for appearing in any of the AME/Basic License written examinations. Computer Number is allotted to first time applicants appearing in any of the written examinations. This number is a permanent and unique number allotted to a particular candidate and the same must be quoted in all applications / correspondence with the CEO.
- 4.1.2 The application for allotment of Computer Number can be downloaded from the DGCA website <http://dgca.gov.in>. The duly completed application form along with required documents should be forwarded to Director of Airworthiness (CEO), O/o the DGCA, East Block III, Level III, R.K. Puram, New Delhi – 110066. The candidates are advised to ensure that they meet the eligibility requirements for allotment of computer number. The list of fresh Computer Numbers allotted to the applicants is displayed on the DGCA website about two weeks prior to the last date of submission of application for written examination of a particular session. Incomplete / incorrect application form is not accepted.
- 4.1.3 Allotment of Computer Number does not imply an applicant's acceptance for appearing in the written examination. For appearing in the written examination, the applicant must meet the eligibility requirements stated in the relevant Aircraft Rules and Civil Aviation Requirements.

4.2 Applications for Examinations:

- 4.2.1 The examination for the purpose of acquiring the AME/Basic License will be conducted normally thrice a year in the months of February, June and October.
- a) Applications for basic papers should be submitted to the Director of Airworthiness (CEO), Office of the Director General of Civil Aviation, East Block III, R.K. Puram, New Delhi – 110066 on the prescribed form CA-9 (available on DGCA's website) along with the requisite fees as per Rule 62 and required documents.
- 4.2.3 Applications for specific papers shall be submitted to the Regional/Sub Regional Airworthiness office on the prescribed form CA-9 (available on DGCA's website) along with the requisite fees as per Rule 62 and required documents. For this purpose the concerned Regional/ Sub-Regional Airworthiness Office shall be the one where the maintenance facility for the specific aircraft/engine/system maintenance facility is based. The applicant for paper IV shall have acquired a basic licence in the relevant category and shall have undergone a training course on the specific aircraft/power plant/system.
- 4.2.4 The AME/ Basic Licence written examination Papers I, II & III will be conducted at the designated centres namely New Delhi, Mumbai, Hyderabad,

Kolkata, Kanpur, Bangalore, Chennai, Patna, Lucknow, Bhopal, Guwahati, Bhubaneshwar, Ahmedabad and Thiruvananthapuram.

- 4.2.5 Paper IV (Specific) written examination will be conducted at the designated Regional Airworthiness Offices, namely New Delhi, Mumbai, Kolkata, Chennai, and Bangalore.
- 4.2.6 The applicants shall submit their applications through the Quality Manager of an organization where they are working, along with the requisite amount of fees, as prescribed in Aircraft Rule 62. The fees collected from the applicants should be forwarded through a consolidated crossed Bank Draft in the name of the PAO, DGCA, MCA, New Delhi, along with a list containing the particulars of each applicant, the papers they have applied for and the corresponding amount of fees submitted by them.
- 4.2.7 While forwarding the applications, the Quality Manager should ensure that the applications are duly and correctly filled in, and that the applicants meet the requirements including the experience requirements for appearing in the examinations in the papers applied for. The Quality Manager should also ensure that the applicant has gained comprehensive maintenance experience of the particular type of aircraft/ power plant/ systems.
- 4.2.8 The applicants, who are not engaged in any organization, but meet all the requirements for appearing in the AME/basic licence examinations, may directly forward their applications to Director of Airworthiness (CEO), New Delhi. The applicants should enclose documentary evidence of the experience gained in the category applied for.

5. Experience Requirements for appearing in Written Papers:

5.1 DGCA Approved AME Training Institutes:

- 5.1.1 The students who have completed one year of approved training curriculum shall be allowed to appear in Paper I (Air Law, Regulations and Human Performance) of AME/basic license examination.
- 5.1.2 The students who have completed two years of approved training curriculum shall be allowed to appear in Paper II (Aircraft Engineering) of AME/basic license examination.
- 5.1.3 The students who have completed two and a half years of the approved training curriculum will be allowed to appear in Paper III of AME/ basic license examination.

5.2 Graduate Engineers Training (GET) Scheme:

- 5.2.1 GETs who have successfully completed one year of training under the GET scheme will be allowed to appear for Paper I & II of AME/ basic license examination.

5.2.2 GETs who have successfully completed two years of training under the GET scheme will be allowed to appear for Paper III of Basic License examination in their respective stream.

5.2.3 GETs shall be eligible to appear for Paper IV (Specific) / undergo approved training in the relevant category after passing Paper III of that Category.

5.3 General Candidates:

5.3.1 A general candidate is eligible to appear in Paper I & Paper II after acquiring at least two years of aeronautical engineering experience.

5.3.2 A general candidate is eligible to appear in Paper III after acquiring three years of aeronautical engineering experience on the relevant stream / category.

Note: A general Candidate is one who does not fall in the categories of candidates in paragraphs 5.1 and 5.2 above.

5.4 Defence Services Personnel:

5.4.1 Defence personnel (serving or retired) are eligible to appear in the AME/basic license examination provided they meet the requirements of basic qualifications and experience as laid down in CAR Section 2 Series 'L' Part I.

5.4.2 An applicant is eligible to appear in Paper I & Paper II after acquiring at least two years of aeronautical engineering experience.

5.4.3 An applicant is eligible to appear in Paper III after acquiring three years of aeronautical engineering experience in the relevant Branch / Trade.

6. General Requirements:

6.1 An applicant will be allowed to appear for a maximum of two categories of AME/ basic license examination in a session.

6.2 An applicant will be allowed to appear for Paper III of additional category in the same stream after acquiring an additional six months experience.

6.3 To change over from Mechanical to Avionics Stream or Avionics to Mechanical Stream, an applicant will have to acquire an additional eighteen months experience in the particular stream to appear in the AME/basic license examination.

6.4 An applicant can acquire the concurrent experience in the 'Mechanical Stream', i.e. in airframe and engine field or in any two systems of 'Avionics Stream', i.e. electrical, instruments or radio systems.

6.5 Applicants from the Approved AME Training Institutes shall only be allowed to appear in the category relevant to the Scope of Approval granted to the Institute.

7. Examination Results:

7.1 Results of Basic Paper I, II and III will be declared by CEO by publishing it on the DGCA Website.

7.2 Results of all Paper IV (Specific) and skill test will be declared by the concerned Regional Airworthiness Office.

7.3 An applicant who passes any basic paper shall be issued with a result card.

8. Personal Log Book:

All applicants should maintain personal log book wherein all the experience gained on aircraft, engine and systems should be mentioned system wise indicating the type of schedule carried out. This work should be certified by the Engineer-in-charge/ Shift In-charge/ Superintendent as the case may be. The candidate should also forward along with their application a detail of the work done during the last six months in brief indicating that he has got comprehensive experience mentioning the details of the aircraft, engines and the systems and the type of schedule carried out.



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