



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

CIVIL AVIATION REQUIREMENTS
SECTION 7 - FLIGHT CREW STANDARDS
TRAINING & LICENSING
SERIES 'D', PART V
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SUBJECT: AIRLINE TYPE RATING PROGRAMME (ATRP)

1. INTRODUCTION

- 1.1 Rule 6A of Indian Aircraft Rules 1937 covers the type of aircraft to be included in the rating of the licence and Schedule II of the Rules covers for each respective licence type, the requirements for inclusion and extension of ratings on these licences.
- 1.2 Type rating for aeroplanes with AUW exceeding 5700 kg is included in a pilot's licence following completion of sequential requirements laid down in Schedule II. The pilot needs to pass written examination, which is followed by training in normal, abnormal, emergency procedures etc. on the type of aeroplane, and demonstration of competency in skill tests in the aeroplane or approved simulator.
- 1.3 The type rating process for aeroplanes with AUW exceeding 5700 kg is generally carried out in an approved training organization (ATO) in accordance with CAR Section 7 Series D Part IV for Indian ATOs and Operations Circular 1 of 2016 for overseas ATOs. Additionally, eligibility of written examinations for issue of type ratings is covered in CAR Section 7 Series B Part I for such examinations to be conducted by CEO, DGCA.
- 1.4 This CAR is issued under Rule 29C and 133A to specify requirements for approval of the Airline Type Rating Programme (ATRP) for scheduled operators for conduct of written examinations, training and checking for issue of type ratings for aeroplane types operated by them.

2. GENERAL REQUIREMENTS

- 2.1 The approval of the ATRP for a scheduled operator by DGCA shall be dependent upon the applicant demonstrating compliance with the requirements of this CAR.
- 2.2 A scheduled operator may carry out type rating for pilots employed by it through an ATRP or an ATO. The Operator's Conversion Course (OCC) required by CAR Section 8 Series F Part II may be integrated with the ATRP without the need to conduct this separately as in the case when the type rating is carried out in an ATO.

3. PRE-REQUISITES FOR ATRP

- 3.1 The operator shall have a minimum fleet of 5 aeroplanes for the type proposed to be included in the ATRP. For operators with an approved ATRP on one type of aeroplane, the requirement of a minimum fleet of 5 aeroplanes for another type may be met by an order of the additional type without the aeroplanes being held on strength at time of inclusion of the additional type in the ATRP.
- 3.2 The operator shall have completed minimum 1 year of operations with at least 1 training audit cycle completed by DGCA.
- 3.3 The operator shall have a minimum of 4 approved ground instructors for each aeroplane type proposed to be included in the ATRP of which a minimum of 2 performance and 2 technical instructors each, minimum of 4 approved instructors/designated examiners of which 2 shall be SFI/TRIs and 2 shall be DEs for the aeroplane type proposed to be included in the ATRP.

4. SCOPE AND CONDUCT OF ATRP

- 4.1 The ATRP will include the following:
- (a) Ground training and examination by the operator's approved ground instructors.
 - (b) Flying/Simulator training by DGCA authorized SFI/TRIs.
 - (c) Skill tests by designated examiners.

Note: Training and checking under the ATRP shall be in accordance with the type rating syllabus approved by FSD, DGCA

- 4.2 A scheduled operator may when specifically approved, carry out ground training and examination for type rating for pilot's employed with another scheduled operator who does not meet any or all of the pre-requisites listed in Para 3 above. However, in such a case, the OCC will need to be done separately by the operator and not integrated with the ATRP.

5. OPERATIONS MANUAL

5.1 The operator shall provide suitable instructions and procedures regarding the ATRP for the use and guidance of personnel concerned in the Operations Manual (Part D). This shall contain at least the following information:

- (a) A general description of the scope of training authorized under the operator's terms of approval;
- (b) The content of the training programme offered including the courseware and equipment to be used;
- (c) A description of the operator's quality assurance system in accordance with Para 7;
- (d) A description of the operator's facilities in accordance with Para 8;
- (e) The name, duties and qualification of the person designated as responsible for compliance with the requirements of the approval in Para 9.1;
- (f) A description of the duties and qualification of the personnel designated as responsible for planning, performing and supervising the training in Para 9.2;
- (g) A description of the procedures used to establish and maintain the competence of instructional personnel as required by Para 9.3;
- (h) A description of the method used for the completion and retention of the training records required by Para 10;
- (i) A description, when applicable, of additional training needed to comply with an operator's procedures and requirements; and
- (j) A description of the selection, role and duties of the personnel authorized to conduct the testing for issuance of the rating in accordance with Para 12, as well as the applicable requirements established by the DGCA.
- (k) A description of the procedures to prepare the question bank for the ground examinations, measures for security of the question bank. The technical subject examination shall consist of minimum 100 objective type questions. The performance paper will be a mix of objective and subjective questions. The question bank for technical and performance subjects will be minimum five times the number of questions in the respective papers.
- (l) A description of the procedures to conduct the ground examination. The minimum pass score of the ground examination shall be 70%.
- (j) A description of the procedures for evaluation of the ground examination

5.2 The operator shall ensure that the operations manual is amended as necessary to keep the information contained therein up to date.

6. APPROVAL OF ATRP

- 6.1 DGCA shall inspect and approve the ATRP of an operator prior to the implementation of such training. The approval shall be documented as part of the Operations Manual Part D approval.
- 6.2 The issuance of an ATRP approval for an operator and the continued validity of the approval shall depend upon the operator being in compliance with the requirements of this CAR.

7. SAFETY MANAGEMENT AND QUALITY ASSURANCE SYSTEM

A safety management system shall be established as per CAR Section 1 Series C Part I. The operator shall establish a quality assurance system, acceptable to the DGCA which ensures that training and instructional practices comply with all relevant requirements.

8. FACILITIES

- 8.1 The facilities and working environment shall be appropriate for the task to be performed and be acceptable to the DGCA.
- 8.2 The operator shall have, or have access to, the necessary information, equipment, training devices and material to conduct the courses for which it is approved. FSTDs may be owned or leased.
- 8.3 Synthetic training devices shall be qualified according to requirements established by the State and their use shall be approved by the DGCA to ensure that they are appropriate to the task.

Note.— The Manual of Criteria for the Qualification of Flight Simulation Training Devices (Doc 9625) provides guidance on the approval of flight simulation training devices. Qualification of Flight Simulation Training Devices shall be done in accordance with Operations Circular 15 of 2014 FTD and FFS Qualification

9. Examinations:

- 9.1. When DGCA has authorized an approved training organization to conduct the examination required for the issuance of a license or rating, the examination shall be conducted by personnel authorized by the DGCA or designated by the training organization in accordance with criteria approved by the DGCA. The following shall be address in the training policy manual of the ATO.
- 9.2 Qualification and number of personnel authorized to set the questions for the question bank.
- 9.3 Qualification and number of personnel authorized to authenticate the questions

post the setting of the questions.

Note: The tasks as given in 9.2 and 9.3 above should not be assigned to the same person or persons.

9.4 Guidelines to personnel's on setting and vetting of the questions.

9.5 Methodology for reviewing the answer sheets.

9.6 Policy on review and changes to be made to the question bank.

9.7 Policy to ensure the control and secrecy of the question bank.

10. PERSONNEL

10.1 The Post-Holder Training of the operator shall be responsible for ensuring that it is in compliance with the requirements for an ATRP.

10.2 The operator shall employ the necessary personnel to plan, perform and supervise the training to be conducted.

10.3 The qualification and competence of instructional personnel shall be in accordance with CAR Section 7, Series I Part I/II/VII.

10.4 The operator shall ensure that all instructional personnel receive initial and recurrent training appropriate to their assigned tasks and responsibilities.

11. RECORDS

11.1 The operator shall retain detailed student records to show that all requirements of the training course have been met as approved by the DGCA.

11.2 The operator shall maintain a system for recording the qualifications and training of instructional and examining staff, where appropriate.

11.3 The records required by Para 10.1 shall be kept for a minimum period of three years after completion of the training. The records required by Para 10.2 shall be retained for a minimum period of three years after the instructor or examiner ceases to perform a function for the operator.

12. OVERSIGHT

DGCA shall maintain an effective oversight programme of the ATRP to ensure continuing compliance with the approval requirements. The oversight programme may be integrated with the operator's training programme annual

inspection.

13. EVALUATION AND CHECKING

The evaluation and checking shall be conducted by personnel authorized by the DGCA in accordance with CAR Section 7, Series I Part I/II/VII.



(B.S. Bhullar)

Director General of Civil Aviation