



GOVERNMENT OF INDIA

OFFICE OF THE DIRECTOR GENERAL OF CIVIL AVIATION
TECHNICAL CENTRE, OPP. SAFDARJUNG AIRPORT, NEW DELHI-110 003

CIVIL AVIATION REQUIREMENTS
SECTION 7 – FLIGHT CREW STANDARDS
TRAINING AND LICENCING

SERIES 'H' PART I

ISSUE II, DATED _JULY, 2010

EFFECTIVE: FORTHWITH

F. No. Av. 22024/4/2010-FSD

Draft

Subject: REQUIREMENTS FOR REVALIDATION OF AIRCRAFT TYPE RATINGS and RENEWAL OF EXPIRED PILOT'S LICENCES

- 1. INTRODUCTION.** This CAR lays down the requirements for Revalidation of Type Ratings for all aeroplane types and for the Renewal of Expired Pilots' Licences, under the provisions of Rules 42 and 133A of the Aircraft Rules, 1937.
- 2. APPLICABILITY.** This CAR is applicable to all pilots whose Rating has lapsed or Licence has expired.
- 3.** Regular flying practice requirement is met by 03 Take-offs' and Landings in 90 days on aircraft or approved Full Flight Simulator (FFS).
- 4.** The CAR covers two aspects namely Renewal of Expired Pilots' Licences and Revalidation of Type Ratings. The Revalidation shall take place for the Crew Member status as that held at time of Rating Expiry.
- 5.** The requirements of this CAR shall be applicable when applying for the renewal of expired Pilots' Licences and also when not in regular flying practice. The periods are month based and not day or date based except as specifically provided.

6. REVALIDATION OF TYPE RATINGS FOR AIRCRAFT WITH MAXIMUM ALL UP WEIGHT GREATER THAN 5700 KG

6.1 The following minimum training shall be undertaken after break in flying as follows:-

a. Upto 6 Months

- i. Technical and Performance Refresher on Aircraft to be revalidated.
- ii. 01 FFS Training sessions
- iii. 01 Skill Test and IR/LR on Full Flight Simulator or Aeroplane
- iv. 01 Initial Release Route Check by Examiner
- v. 02 Sectors SLF with Check Pilot / Instructor / Examiner
- vi. Final Release Route Check by Check Pilot / Instructor / Examiner

b. More than 06 Months to 12 Months

- i. Extended Technical and Performance Refresher on Aircraft to be revalidated.
- ii. 02 FFS Training sessions
- iii. 01 Skill Test and IR/LR on Full Flight Simulator or Aeroplane
- iv. 01 Initial Release Route Check by Examiner
- v. 04 Sectors SLF with Check Pilot / Instructor / Examiner
- vi. Final Release Route Check by Check Pilot / Instructor / Examiner

c. More than 12 Months to 24 Months

- i. Extended Technical and Performance Refresher on Aircraft to be revalidated.
- ii. 04 FFS Training sessions
- iii. 01 Skill Test and IR/LR on Full Flight Simulator or Aeroplane
- iv. 01 Initial Release Route Check by Examiner
- v. 06 Sectors SLF with Check Pilot / Instructor / Examiner
- vi. Final Release Route Check by Check Pilot / Instructor / Examiner

d. More than 24 Months to 36 Months

- i. Extended Technical and Performance Refresher on Aircraft to be revalidated.
- ii. 06 FFS Training sessions
- iii. 01 Skill Test and IR/LR on Full Flight Simulator or Aeroplane
- iv. 01 Initial Release Route Check by Examiner
- v. 08 Sectors SLF with Check Pilot / Instructor / Examiner
- vi. Final Release Route Check by Check Pilot / Instructor / Examiner

e. More than 36 Months

- i. Full Type Rating
- ii. 01 Skill Test and IR/LR on Full Flight Simulator or Aeroplane
- iii. 01 Initial Release Route Check by Examiner
- iv. 10 Sectors SLF with Check Pilot / Instructor / Examiner
- v. Final Release Route Check by Check Pilot / Instructor / Examiner

6.2 The licence is to be submitted to DTL for renewal of IR on type, before undertaking the Initial Release Checks, SLF and Final Release Checks, on aircraft in all cases.

7. REVALIDATION OF TYPE RATINGS FOR AIRCRAFT WITH MAXIMUM ALL UP WEIGHT UPTO 5700 KG

The following minimum training shall be undertaken:-

a. Upto 06 Months

- i. Technical and Performance Refresher on the type of Aircraft sought to be revalidated, with Qualified AME / Examiner on Type. Endorsement to the effect to be made in the Pilots' Logbook by AME / Examiner.
- ii. 01 Skill Test on Full Flight Simulator if Simulator is available

OR

- ii. Familiarization Flying Training by Day or Night of duration of not less than 00:45 hours with DGCA approved Examiner on type. In case of aeroplanes not equipped with dual controls, the pilot shall undertake solo flying for the same duration without any passenger on board, with at least 01 takeoff and landing.

b. More than 06 Months to 12 Months

- i. Technical and Performance Refresher on the type of Aircraft sought to be revalidated, with Qualified AME / Examiner on Type. Endorsement to the effect to be made in the Pilots' Logbook by AME / Examiner.

01 Skill Test on Full Flight Simulator if Simulator is available

OR

- ii. Familiarization Flying Training by Day or Night of duration of not less than 00:45 hours with DGCA approved Examiner on type. In case of aeroplanes not equipped with dual controls, the pilot shall undertake solo flying for the same duration without any passenger on board, with at least 02 takeoffs and landing.

c. More than 12 Months to 24 Months

- i. Technical and Performance Refresher on the type of Aircraft sought to be revalidated, with Qualified AME / Examiner on Type. Endorsement to the effect to be made in the Pilots' Logbook by AME / Examiner.
- ii. 01 Full Flight Simulator Training Session followed by 01 Skill Test on Full Flight Simulator if Simulator is available

OR

- ii. Familiarization Flying Training by Day or Night of duration of not less than 00:45 hours with DGCA approved Examiner on type followed by Skill Test by day and by night with DGCA approved Examiner on type, with at least 03 takeoffs and landing, with at least 01 by night. In case of aeroplanes not equipped with dual controls, the pilot shall undertake a minimum of two hours solo flying of which one hour shall be by night without any passenger on board. The two hours' solo flying shall include a minimum of 3 takeoffs and landing with at least 01 by night.

d. More than 24 Months to 36 Months

- i. Technical and Performance Refresher on the type of Aircraft sought to be revalidated, with Qualified AME / Examiner on Type. Endorsement to the effect to be made in the Pilots' Logbook by AME / Examiner.
- ii. 02 Full Flight Simulator Training Session followed by 01 Skill Test on Full Flight Simulator if Simulator is available

OR

- ii. Familiarization Flying Training by Day or Night of duration of not less than 01:00 hours with DGCA approved Examiner on type followed by Skill Test by day and by night with DGCA approved Examiner on type, with at least 06 takeoffs and landing, with at least 03 by night. In case of aeroplanes not equipped with dual controls, the pilot shall undertake a minimum of two hours solo flying of which one hour shall be by night without any passenger on board. The two hours' solo flying shall include a minimum of 6 takeoffs and landing with at least 03 by night.

e. More than 36 Months

- i. Full Type Rating
- ii. 01 Skill Test on Full Flight Simulator if Simulator is available

OR

- ii. Familiarization Flying Training by Day or Night of duration of not less than 01:00 hours with DGCA approved Examiner on type followed by Skill Test by day and by night with DGCA approved Examiner on type, with at least 06 takeoffs and landing, with at least 03 by night. In case of aeroplanes not equipped with dual controls, the pilot shall undertake a minimum of two hours solo flying of which one hour shall be by night without any passenger on board. The two hours' solo flying shall include a minimum of 6 takeoffs and landing with at least 03 by night.

8. RENEWAL OF EXPIRED LICENCES

Keeping in consonance with the provisions of the Rule 42, the requirements for renewal of expired licences of pilots shall be as under, for the periods of expiry of licence, on a month based period and not day or date based period:-

- a. Upto 6 Months
 - i. As per para 6 a. or 7 a. above depending on the type of aircraft.
- b. More than 06 Months to 12 Months
 - i. As per para 6 b. or 7 b. above depending on the type of aircraft
- c. More than 12 Months to 24 Months
 - i. As per para 6 c. or 7 c. above depending on the type of aircraft
- d. More than 24 Months to 36 Months
 - i. Air Regulation Test (Oral) and
 - ii. As per para 6 d. or 7 d. above depending on the type of aircraft
- e. More than 36 Months
 - i. All written examinations and tests required for the issue of licence and ratings and
 - ii. As per para 6 e. or 7 e. above depending on the type of aircraft

For pilots seeking renewal of Licence on aircraft more than 5700 kgs AUW, the Licence will be submitted to DTL, DGCA for endorsement of IR on type. Thereafter, for the purpose of renewal of licence the pilot/s with expired licence will be permitted to fly with DGCA approved Examiner / Instructor / Check Pilot / FOI under the provisions of Rule 6B. On completion of the requisite training the Licences will be submitted to DTL at DGCA for completion of Licence Renewal procedures. Pilots are thereafter not permitted to exercise privileges related to their licence till the renewed licence is received back from DTL, DGCA.

9. RENEWAL OF EXPIRED INDIAN LICENCES OF PILOTS WHO HAVE ACQUIRED LICENCE ISSUED BY AN ICAO CONTRACTING STATE ON THE BASIS OF INDIAN LICENCES AND FLYING EXPERIENCE

Pilots, when regularly flying on a foreign licence, can have their Indian licence, if expired, renewed and endorsed on the type presently flying, provided:-

- a. They undergo a current Class I / II Medical Examination as applicable
- b. Pass Air Regulation Test (oral) in the DGCA
- c. Carry out Training and Checks on the Simulator, as provided above, of the aircraft type, provided such type of aircraft is registered / approved in India
- d. The Check/s shall be done under observation of FOI / DGCA nominated Examiner

10. REVALIDATION OF QUALIFIED SERVICE PERSONNEL (QSP):

Military personnel (serving or retired) holding civil licences will have their recency experience on type considered as in civil flying, as long as they regularly fly or become current on type and regularly fly, the aircraft type rating entered on their licence. The rating thereto would be deemed valid. However, prior to flying civil airplane/s on the basis of their DGCA Licence, they need to establish Class I Medical standard, pass Air Regulations test (if expiry is over the stipulated period) and pass Proficiency check and IR test on Civil Registered airplane or on type simulator with FLT OPS INSPECTOR. In future, all issue, endorsement, or renewal tests shall be conducted on Civil Airplane or type Simulator by FOI, under the supervision of the Flight Standards Directorate.

11. OPERATORS RESPONSIBILITY

The operator shall ensure that the Training Records, including route check reports, complete in all respects, are submitted to DGCA at the time of submission of documents for renewal of the expired licence, and all the checks have been completed within 06 months of submission of the application for renewal, to DGCA. It shall also be ensured that the last check is carried out and recent experience of 03 landings in 90 days is met at the date of submission of such application.

12. SUBJECTS TO BE COVERED IN GROUND REFRESHER:

Following topics provide broad guidelines of the subjects to be covered, but not limited to:-

- a. Review of Systems and Procedures specific to the aircraft type. Normal, Alternate, Abnormal and Emergency Procedures, highlighting revisions.
- b. Performance and Flight Planning
- c. Specialised Operations Training (as applicable):- TCAS, EGPWS, RVSM, RNAV/RNP, ETOPS, CAT-II/III, All Weather Operations, High Latitude Operations, MNPS, CANPA, etc.
- d. Emergency Duties Training
- e. Dangerous Goods Regulations Training once in 02 years
- f. Flight Safety and Review of Exceedences trends from DFDR parameters analysis and methods to obviate such exceedences. Review of incidents, accidents occurred in previous year
- g. CRM / ALAR/ CFIT / Human Factors
- h. Aviation Security
- i. Review of DGCA Circulars, New Standing Orders, New CARs and Air Safety Circulars pertaining to Flight Operations
- j. Revisions to Operations/Training Manuals, MEL, etc

13.A written test shall be conducted during the course, in Technical and Performance subjects with minimum pass marks of 70% to check assimilation of the topics covered.

14. Records shall be maintained by the operator/s for 03 years from the date of test.

15. GENERAL

15.1 This CAR addresses the requirements of Rule 42 and Schedule II in detail and supersedes all existing Instructions on the subject, including even numbered CAR dated 09 March 2006.

15.2 All queries / clarifications with respect to this CAR may be addressed to the DGCA (Attn. Flight Standards Directorate)

Draft

(Dr. Nasim Zaidi)
Director General of Civil Aviation