



GOVERNMENT OF INDIA

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

CIVIL AVIATION REQUIREMENTS
SECTION 7 – FLIGHT CREW STANDARDS
TRAINING AND LICENSING
SERIES 'B' PART XVI

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EFFECTIVE: FORTHWITH

Subject: Training requirements for issue of Seaplane Rating.

1 Introduction

Seaplane operation is unique in nature and has its peculiar specialisation. The take-off and landing operations from / to waterbed with varying winds and rapidly changing meteorological conditions pose a challenge to pilots operating seaplanes. It is a specialised operation and therefore, pilots engaged in this role are required to be given specific role-oriented training.

This CAR lays down the requirements to obtain rating on seaplanes of AUW up to 5,700 Kg or less for pilots. This CAR is issued under the provisions of Schedule II and Rule 133B of the Aircraft Rules, 1937.

2 Applicability

This CAR is applicable to an applicant who applies for extension of Seaplane Rating on a Seaplane having AUW of up to 5,700 Kg, and holds a valid ATPL(A) / CPL(A) or PPL(A) issued under the Aircraft Rules 1937.

3 General Requirements.

3.1 No person shall operate as a pilot of a seaplane which is not included or entered

in the aircraft rating of his license.

- 3.2** The License shall indicate the types of seaplane the holder is entitled to fly, therefore, for extension of aeroplane rating to include additional type of seaplane, an applicant shall undergo a training course and flight instruction in accordance with the syllabus prescribed in this CAR, and followed by a skill test as laid down in this CAR.
- 3.3** In the case of amphibians operated as landplanes, the person shall meet all the applicable requirements laid down in the Aircraft Rules, 1937 and CARs on the landplanes.
- 3.4** The seaplane type rating training course shall include the mandatory training elements for the relevant type as defined in OSD/ OEB/ FSB.
- 3.5** Training shall be carried out under scope of OM-D of the operator for pilots employed with an operator, or under scope of approval of ATO from ICAO contracting state in case of individual pilots.
- 3.6** ATO and its seaplane / simulator shall be approved for the purpose by the state regulatory authority of the concerned ICAO contracting state.
- 3.7** Ground and simulator training shall be completed in the same ATO.
- 3.8** The skill test of the trainee pilot shall be carried out by an Examiner, other than those who had imparted training.
- 3.9** Training and checks shall be carried out by state regulatory authority approved Instructor(s) and Examiner(s) only.

4 Prerequisites for the seaplane ratings.

- 4.1** An applicant for a seaplane rating shall comply with the following experience requirements and prerequisites, before starting flight training , unless otherwise determined in the OSD/OEB/FSB.
 - a. Hold a valid PPL/CPL/ATPL with IR issued under the Aircraft Rules, 1937 and
 - b. Have at least 200 hours of total flying experience, of which at-least 100 hours shall be as PIC on aeroplanes.

5 Requirements for issue of seaplane ratings

- 5.1 Training course:** An applicant for a seaplane rating shall complete a training

course and flight instruction at an ATO approved by the ICAO contracting state.

5.2 The license and medical of the trainee pilot must be current and valid during the training and checks on aeroplane.

5.3 Type specific Technical & Performance Ground Class : The training course for seaplane ratings shall be minimum 20 hours and include theoretical knowledge laid down in Appendix A to this CAR, OR as otherwise determined in OSD/OEB/FSB OR as per the ATO syllabus, whichever is higher.

5.4 Ground-examination: After completion of the aforesaid ground class, the applicant for a seaplane rating shall pass a theoretical knowledge examination organized by the ATO to demonstrate acquisition of adequate level of theoretical knowledge required for the safe operation of the applicable seaplane. Pass percentage for such candidates shall be as per the ATO norms or 70% whichever is higher.

5.5 The trainee shall have passed the aforesaid examination before commencement of flying training / simulator training, and that must be valid during the entire training and checks.

5.6 Flight Instruction for seaplane rating:

- a. 10 hours of dual flight instruction.
- b. Minimum 2 hours including 5 take-off and landings Solo or as PIC under the supervision of an instructor.
- c. In case of amphibians operated as seaplane, the additional training required shall include, at least 1 hour, which shall include 5 take-offs and landings on land Solo or as PIC under the supervision of an instructor.

5.7 Flight Instruction – transition from land version to sea version for seaplane rating:

- a. If the applicant holds a type rating on the land version of the same type of seaplane, he shall undergo ground training as per 5.3 above.
- b. The flight training for a seaplane shall include at-least 8 hours of dual flight instruction, unless otherwise determined in the OSD/OEB/FSB.
- c. A minimum 2 hours including 5 take-off and landings shall be done as Solo or PIC under supervision of a instructor.
- d. In case of amphibians operated as seaplane, the additional training required shall include, at least 30 minutes which shall include 3 take-offs and landings on land as Solo or PIC under the supervision of an instructor.

5.8 The quantum of training in 5.6 and 5.7 above will be as stipulated herein above

or as per the ATO syllabus whichever is higher.

6 Skill Test

- 6.1** An applicant for a seaplane rating shall pass a skill test in accordance with Appendix B of this CAR to demonstrate the skills required as PIC, as required for the safe operation of the applicable seaplane.
- 6.2** The duration of skill test shall not be less than 1:00 hrs and shall include the scenarios for TEM.
- 6.3** In case of seaplane operated as amphibian, the applicant shall pass an additional skill test of 1 hour duration on land, including 3 take-offs and landings on land, to demonstrate the skill required for safe operation on land.
- 6.4** The applicant shall pass the skill test within a period of 6 months of commencement of the seaplane type rating course.

7 Limitations of privileges for seaplane type rating.

The privileges of seaplane type rating shall be exercised in Day VFR conditions only.

8 Applications for a seaplane rating

- 8.1** Applications for issue of seaplane rating shall be made to DGCA, New Delhi (HQ) in the form and manner prescribed by the Director General.
- 8.2** The following training documents shall be submitted to the office of Directorate of Training and Licensing:
 - a. Proof of ICAO state regulatory authority approval of TRTO / ATO
 - b. Proof of approval issued by that regulatory authority to impart seaplane rating.
 - c. Proof of approval of Level C / D simulator (if training is carried out on FSTD)
 - d. Proof of instructor(s) / examiner(s) approval from the same ICAO contracting state who has granted the TRTO / ATO approval.
- 8.3** The following trainee documents shall be submitted on the date of application to the office of Directorate of Training and Licensing:
 - a. Valid PPL/CPL/ATPL
 - b. Valid FRTOL and RTR
 - c. Valid Class 1 medical

- d. Valid ELP.

9 Responsibility of TRTO/ ATO:

The TRTO / ATO / operator shall provide the following documents in original to the official email of the Directorate of Training and Licensing at dtl1.dgca@gov.in

- a. Course completion certificate.
- b. The sortie wise aeroplane / simulator training and test records.
- c. The sortie wise seaplane training and test records.
- d. The briefing / debriefing and comments of instructors / examiners.

10 Recent experience requirement

10.1 A pilot shall not operate a seaplane in commercial air transport or carry passengers as PIC or co-pilot unless he or she has carried out, in the preceding 90 days, at least 3 take-offs and landings as a pilot in a seaplane.

10.2 In case the above recent experience has lapsed, a pilot may achieve 3 take-offs and landings as PIC or co-pilot of a seaplane under the supervision of a check pilot / examiner in Day VFR conditions, provided no persons or cargo are carried on board the aircraft, other than those necessary for the conduct of the flight.

11 Cockpit experience requirements


Minimum cockpit experience shall be as approved in the operations manual.

(Vikram Dev Dutt)
Director General of Civil Aviation

APPENDIX A

1. Training course for seaplane rating shall take into account the recommendations, duration, topics, area of special emphasis mentioned in the OSD/OEB/FSB for that type of aircraft.
2. If conducted by the operator, the ground examination conducted by CEO, DGCA shall apply and further flight training courseware shall be as per the approved OM – D for which the Seaplane Rating Instructor Guide issued by Transport Canada
<https://tc.canada.ca/sites/default/files/migrated/tp12668e.pdf> or equivalent document acceptable to FSD shall serve as a reference guide.
3. If undertaken in an ICAO contracting state, with that state approved ATO / TRTO, the syllabus of such ATO / TRTO shall apply provided it is not less than the OSD/OEB/FSB for that type. In such case the ground technical / performance classes and the ground examination may be undertaken with that ATO/ TRTO and further training / checks have to be undertaken in the same ATO / TRTO.

Appendix B

 <small>मान्यमेव जयते</small>	DGCA India		CA 40 / 41		
	Skill Test / IR / PPC – Seaplane Rating		Rev 0	01/06/2024	
Operator:		Test on:	Seaplane <input type="checkbox"/>	Reg:	Route:
			Simulator <input type="checkbox"/>	Level:	Reg & Location:
Date: mm/dd/yyyy	Check:		Crew Status		
	DAY <input type="checkbox"/>	Skill Test <input type="checkbox"/>	TRAINEE <input type="checkbox"/>	PIC <input type="checkbox"/>	LHS <input type="checkbox"/>
	NIGHT <input type="checkbox"/>	PPC <input type="checkbox"/>	LICENSED <input type="checkbox"/>	CO-PILOT <input type="checkbox"/>	RHS <input type="checkbox"/>
Trainee Name,			Check-Pilot/ Examiner Name,		
License			License		
DEPARTURE			SAT	UN-SAT	
1.1 Pre-flight documentation, Wx, Notam, MEL					
1.2 Mass & Balance					
1.3 External Inspection					
1.4 Cockpit preparation, briefings, checklist					
1.5 Pre-flight announcements / safety					
1.6 Start-up					
1.7 Taxi					
1.8 Step taxing					
1.6 Mooring – Jetty Pier. Buoy					
1.7 Engine off sailing					
1.8 Pre departure checks, engine run-up					
1.9 Take-off – Normal, cross wind different flap stgs					
1.10 Climb					
1.11 Joining route / circuit / SID					
AIRWORK			SAT	UN-SAT	
2.0 ATC Liasson & compliance, RT procedures.					
2.1 Straight & level flights – low / very low / high sped					
2.2 Steep turns – 360 deg L/R at 45 deg bank					
2.3 Stalls and recovery					
2.4 Climbs as per ATC instructions					
2.5 Descents as per ATC instructions					
2.6 Maintaining ATC of altitude, headings, speed					
2.7 Orientation, navigation, ETA computation – X chk					
2.8 Use of radio navigation aids / GNSS					
2.9 Flight log, system checks, fuel checks etc					
2.10 Other as per ATO:					
2.11 Other as per ATO:					
ARRIVAL AND LANDING			SAT	UN-SAT	
3.1 Arrival procedures / STAR for amphibians					
3.2 Descent announcements					

3.3	Descent preparation and briefings		
3.4	Instrument approach		
3.5	Visual approach		
3.6	Normal landing		
3.7	Abnormal flap / flapless landing		
3.8	Crosswind landing		
3.9	Tailwind landing		
3.10	Idle power landing from 2000'. (SE seaplanes)		
3.11	Single engine landing (ME seaplanes)		
3.12	Go-around from minimums		
3.13	Go-around climb, checks		
3.14	Glassy water landing		
3.15	Rough water landing		
3.16	Taxi in		
3.17	Dock in		
OTHER ABNORMAL / EMERGENCY. (enter details)		SAT	UN-SAT
4.1	Abnormal as per POH/AFM 1		
4.2	Abnormal as per POH/AFM 2		
4.3	Abnormal as per POH/AFM 3		
4.4	Abnormal as per POH/AFM 4		
4.5	Emergency as per POH/AFM 1		
4.6	Emergency as per POH/AFM 1		
4.7	Rejected take-off		
4.8	Simulated engine failure on take-off		
4.9	Engine shut-down / re-start (ME skill test only)		
4.10	Asymmetric approach, go-around		
4.11	Asymmetric approach, landing		
4.12	Abnormal taxi		
4.13	Abnormal docking		
REMARKS			
OVERALL ASSESSMENT:		PASS <input type="checkbox"/>	FAIL <input type="checkbox"/>
<i>Trainee</i>		<i>Check-Pilot / Examiner</i>	