



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

**CIVIL AVIATION REQUIREMENTS  
SECTION 6 – DESIGN STANDARDS AND  
TYPE CERTIFICATION**

**SERIES A' PART II**

**ISSUE I, 7<sup>th</sup> October, 2014**

**EFFECTIVE: FORTHWITH**

F.No. 05-05/2014-AED

**Subject: Requirements for recognition/ acceptance of Type Certificate and Supplemental Type Certificate issued by a Contracting State for aeronautical product, viz. aircraft, aircraft engine and propeller.**

**1. Introduction:**

Rule 49E of 'the Aircraft Rules-1937' provides for recognition/ acceptance of Type Certificate (TC) issued by a Contracting State. It empowers the Director General of Civil Aviation (DGCA) to accept the TC or any other similar document in respect of an aeronautical product, i.e. aircraft, engine, and propeller issued by a contracting state whose airworthiness requirements are at least equal to the requirements established in accordance with the national regulation contained in CAR 21.

Similarly, Rule 49G of the Aircraft Rules, 1937 provides for recognition/ acceptance of Supplemental Type Certificate (STC) issued by a Contracting State. The rule states that the Director General may accept STC issued by a Contracting State in respect of the aeronautical product registered in India.

This CAR is issued under the proviso of Rule 133A of the Aircraft Rules 1937, and lays down the detailed requirements under which TC or STC in respect of the aeronautical product issued by a Contracting State is recognized/accepted by DGCA.

**2. Definition:**

- 2.1 **Aeronautical product** means any civil aircraft, aircraft engine or propeller.
- 2.2 **CAA** means Civil Aviation Authority of a contracting state.
- 2.3 **Contracting State** means any State which is for the time being a party to the Convention on International Civil Aviation concluded at Chicago on December 7, 1944, and any amendment which may be made thereto under the provisions of Article 94 thereof

2.4 **Operator** means a person, organisation or enterprise engaged in or offering to engage in aircraft operation.

### **3. Applicability :**

3.1 Recognition/ acceptance of the following by DGCA:

- (a) A TC in respect of aeronautical product issued by a Contracting State,
- (b) A STC issued by a Contracting State in respect of an aeronautical product registered in India.

3.2 Following conditions shall be applicable:-

- (i) It meets the airworthiness requirements specified by the Director General, and
- (ii) The applicant furnishes documents and technical data as may be required to assess the suitability, safety, and airworthiness of the product.

### **4. Requirements :**

4.1 Certification basis as contained in CAR 21.16A shall be considered while evaluating the technical data for grant of acceptance to TC/ STC.

4.2 The application shall be forwarded through the CAA of the State of Design to the DGCA.

4.3 The operator shall not import a new type of aeronautical product or derivative/ variant of the existing aeronautical product type operating in the country, without having the Letter of Type Acceptance (LoTA) issued from DGCA. Also; the operator shall not import an aeronautical product type based on earlier accepted/registered model by DGCA. If the aeronautical product to be imported shows that its configuration differs from that of earlier accepted model by incorporation of reference in Type Certificate Data Sheet, TC holder is required to submit an application for type acceptance.

4.4 Aircraft type acceptance, shall be considered complete when engine and/or propeller as product, embedded in the aircraft, is also type accepted by DGCA in accordance with this CAR.

4.5 DGCA at its discretion may ask any additional information/documentation/ clarification from the TC/STC holder.

4.6 The applicant (TC/STC holder, as the case may be) shall arrange familiarization programme of adequate duration for DGCA (AED) officials, depending on the complexity, type of aeronautical product, type of design change (significant), at their facility.

4.7 The application shall be submitted in a prescribed format as given in Annexure I & II (as applicable), to the Director, Aircraft Engineering Directorate (AED), DGCA, Opposite Safdarjung Airport, New Delhi 110003.

**5. Issue/ Cancellation of Letter of Type Acceptance (LoTA):**

5.1 Upon being satisfied, DGCA may grant LoTA (for TC/STC), which shall be communicated to the TC/STC holder and the operator with additional conditions, if any.

5.2 If at any point of time, the DGCA finds that there is a reasonable doubt to indicate that the safety of the aeronautical product is imperiled because of an unsafe condition developed in the aeronautical product, or that the said acceptance has been obtained based on false documents, DGCA may cancel the 'Letter of Type Acceptance'.

(Smt M. Sathiyavathy)  
Director General of Civil Aviation

Government of India Directorate General of Civil Aviation Aircraft Engineering Directorate		
<b>Application for recognition/acceptance of Type Certificate for aeronautical product</b>		
1.	Name and Full address of the Type Certificate (TC) Holder (including e-mail, telephone and fax).	
2.	Aeronautical Product Type	<input type="checkbox"/> Aircraft <input type="checkbox"/> Aircraft engine <input type="checkbox"/> Propeller
3.	Aeronautical Product Model	
4.	Aeronautical Product category (If others, please specify)	1) Airplane <input type="checkbox"/> Normal <input type="checkbox"/> Transport <input type="checkbox"/> Small/ Light <input type="checkbox"/> Others  2) Helicopter <input type="checkbox"/> Normal <input type="checkbox"/> Transport <input type="checkbox"/> Small/ Light  3) Aircraft engine <input type="checkbox"/> Reciprocating <input type="checkbox"/> Turboprop <input type="checkbox"/> Turboshaft <input type="checkbox"/> Turbojet/Turbofan  4) Propeller <input type="checkbox"/> fixed pitch <input type="checkbox"/> variable pitch
5.	Max. AUW of aircraft	
6.	Maximum seats of the aircraft	
7.	Engine Model	
8.	Number of Engines on aircraft	
9.	Whether the aircraft type on which aeronautical product (engine/propeller) proposed to be embodied is accepted/registered by DGCA?	
10.	TC Number indicating the issuing CAA (copy of TC to be enclosed).	
11.	TCDS (copy to be enclosed).	
12.	Certification basis	
13.	Supplemental Type Certificate, as applicable	
14.	Whether basic model of aeronautical product type is accepted earlier by DGCA? If yes, provide the copy of the acceptance letter alongwith applicable TCDS Revision/Issue at the time of acceptance.	
15.	Whether TC issuing authority is the CAA of the 'State of Design'? If not, enclose a certificate from CAA stating that their Airworthiness requirements/standards are harmonized with those of FAA/EASA.	

16.	Compliance Document/ Compliance Matrix and certification summary.	
17.	All applicable Airworthiness Directives (ADs) and their compliance.	
18.	Approved Aircraft Flight Manual/ Engine Operator Manual /Propeller Operator Manual	
19.	Approved Airworthiness Limitations.	
20.	Structural Repair Manual.	
21.	Master Minimum Equipment List (MMEL)	
22.	Illustrated Parts Catalogue	
23.	Compliance with special conditions such as novel or unusual design features in the aeronautical product and substantiation reports.	
24.	Compliance documents related to high intensity radiation field (HIRF) effects.	
25.	Operational capability from high altitude (>10000 feet) airports (for pressurized transport category aircraft).	
26.	Capability to operate at high ambient temperatures up to +50°C at sea level. Engine cooling test report during take-off/ landing phases of flight at Sea Level should be provided in support of operational capability.	
27.	Noise certificate (as applicable).	
28.	Substantiation documents providing the basis for ‘Equivalent Level of Safety Findings’ and ‘Exemptions’.	
29.	Letter of intent from an Indian operator (clearly stating the purpose).	
30.	Access to web portal for necessary documents for continued airworthiness support (user ID, Password, etc.).	
31.	Details of fees paid in accordance with Rule 62 of Aircraft Rules 1937 (Demand Draft No. /Indian Postal Order No./amount/Name of the Bank).	
<p>Declaration:</p> <p>I hereby declare that the particulars entered in this application and the appendices are true and correct to the best of my knowledge and belief.</p> <p>Date: _____</p> <p style="text-align: right;">Signature of the applicant Designation</p>		

**Note:**

1. Please strike out whichever is not applicable.
2. Age of the aircraft to be imported shall be as per CAR Section 2, Series F, Part XX ;
3. Any application for TC acceptance not providing the above information/ documents, or if incomplete, shall be summarily rejected.

Government of India Directorate General of Civil Aviation Aircraft Engineering Directorate		
<b>Application for recognition/acceptance of Supplemental Type Certificate for aeronautical product</b>		
1.	Name and Full address of the Supplemental Type Certificate (STC) Holder (including e-mail, telephone and fax).	
2.	Aeronautical Product Type	
3.	Aeronautical Product Model	
4.	Engineering description of change of aeronautical product	
5.	Whether the aeronautical product type on which change proposed to be incorporated, is registered by DGCA? If yes, provide registration number of the aircraft.	
6.	STC Number indicating the issuing CAA (copy of STC to be enclosed).	
7.	Serial number applicable	
8.	Whether STC issuing authority is the CAA of the 'State of Design'? If not, enclose a certificate from CAA stating that their Airworthiness requirements/standards are harmonized with those of FAA/EASA.	
9.	Compliance Document/ Compliance Matrix and certification summary.	
10.	Supplements of Approved Aircraft Flight Manual / Engine Operator Manual/ Propeller Operator Manual	
11.	Approved Airworthiness Limitations.	
12.	Structural Repair Manual Supplement.	
13.	Master Minimum Equipment List (MMEL)	
14.	Compliance with special conditions such as novel or unusual design features in the aircraft and substantiation reports.	
15.	Compliance documents related to high intensity radiation field (HIRF) effects.	
16.	Effect on operational capability from high altitude (>10000 feet) airports. This requirement is mandatory for pressurized transport category aircraft.	
17.	Effect on capability to operate at high ambient temperatures up to +50°C at sea level. Engine cooling test report during take-off/ landing phases of flight at Sea Level should be provided in support of operational capability.	
18.	Noise certificate (as applicable).	
19.	Substantiation documents providing the basis for 'Equivalent Level of Safety Findings' and 'Exemptions'.	
20.	Letter of intent from an Indian operator.	

21.	Access to web portal for necessary documents for continued airworthiness support (user ID, Password, etc.).	
22.	Details of fees paid in accordance with Rule 62 of Aircraft Rules 1937 (Demand Draft No. /Indian Postal Order No./amount/Name of the Bank).	
<p>Declaration:</p> <p>I hereby declare that the particulars entered in this application and the appendices are true and correct to the best of my knowledge and belief.</p> <p>Date: _____</p> <p style="text-align: right;">Signature of the applicant Designation</p>		

**Note:**

1. Please strike out whichever is not applicable.
2. Any application for STC acceptance not providing the above information/ documents, or if incomplete, shall be summarily rejected.