

# IMPLEMENTATION PROCEDURES

FOR

## AIRWORTHINESS

Covering

DESIGN APPROVAL, PRODUCTION ACTIVITIES,  
EXPORT AIRWORTHINESS APPROVAL,  
POST DESIGN APPROVAL ACTIVITIES, AND  
TECHNICAL ASSISTANCE BETWEEN AUTHORITIES

Under the Agreement between  
The Government of the United States of America  
and

The Government of the Republic of India  
For the Promotion of Aviation Safety

Amendment 1

October 3, 2023

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## [CHAPTER 1]:                    PURPOSE AND GENERAL PROVISIONS

The purpose of this document is to amend the “Implementation Procedures for Airworthiness Covering Design Approval, Production Activities, Export Airworthiness Approval, Post Design Approval Activities, and Technical Assistance Between Authorities (IPA), dated November 17, 2011, under the Agreement between the Government of the United States of America and the Government of the Republic of India for the Promotion of Aviation Safety. This amendment has been developed in accordance with paragraph 1.7 of the IPA and will be incorporated into the next revision of the IPA. This amendment corrects errors in specific paragraphs, improves clarity, and provides reciprocal language where applicable.

## [CHAPTER 2]:                    AMENDMENTS

This document amends the following provisions of the IPA: 1.5.0, 1.5.1, 1.7, 3.0.0, 3.0.4, 3.0.5, 3.3.1, Appendix A, and Appendix B. The bold bracketed items identify the amended text and supersede the existing text in the IPA. These amended provisions will apply to validation projects initiated after the entry into force of this Amendment.

### 1.5 Applicable National Requirements, Procedures, and Guidance Material

1.5.0 The FAA’s standards for aircraft airworthiness and environmental certification are contained in **[Title 14 of]** the Code of Federal Regulations **[(14 CFR)]** parts 21, 23, 25, 26, 27, 29, 31, 33, 34, 35, and 36. Guidance material, policy, and procedures are contained in FAA Orders, Notices, Policy Memoranda, and **[Advisory Circulars]**.

1.5.1 The DGCA’s standards for aircraft airworthiness and environmental certification are contained in the **[publication entitled]** Civil Aviation Requirements-**[21]** (CAR-**[21]**). **[It]** prescribes the requirements for issuance of design, production, and airworthiness approvals. The DGCA adheres to the U.S. 14 CFR and European **[Union]** Aviation Safety Agency Certification Specifications (CS) **[as stipulated in CAR 21.16A. Further, additional requirements, guidance material and procedures are contained in applicable DGCA CARs, Circulars and Procedure Manuals.]**

### 1.7 Amendments and Points of Contact.

1.7.0 These Implementation Procedures may be amended in writing by mutual consent of the FAA and the DGCA. Such amendments **[shall enter into force]** by signature of the duly authorized representatives of the FAA and the DGCA.

1.7.1 The designated offices for the technical implementation of these Implementation Procedures are:

**For the FAA:**

Aircraft Certification Service  
**[International Office (AIR-040)]**  
Federal Aviation Administration  
800 Independence Avenue, SW  
Washington, DC 20591  
USA

**[Tel: 1-202-385-8950]**

Fax: 1-202-493-5144

**[E-mail: [7-AWA-AVS-AIR-040-Coord@faa.gov](mailto:7-AWA-AVS-AIR-040-Coord@faa.gov)]**

**For [the] DGCA:**

Aircraft Engineering Directorate  
Directorate General of Civil Aviation  
Opp. Safdarjung Airport, Technical Centre,  
Aurobindo Marg  
New Delhi – 110 003  
India

**[Tel: 91-11-24627830]**

**[Fax: 91-11-24652760]**

**[E-mail: [dgoffice.dgca@nic.in](mailto:dgoffice.dgca@nic.in)]**

1.7.2 The designated offices for administrative coordination of these Implementation Procedures are:

**For the FAA:**

Office of International Affairs (API-1)  
Federal Aviation Administration  
800 Independence Avenue, SW  
Washington, DC 20591  
USA

Tel: 1-202-385-**[8900]**

Fax: 1-202-267-5032

**For [the] DGCA:**

Directorate General of Civil Aviation  
Opp. Safdarjung Airport,  
Technical Centre, Aurobindo Marg  
New Delhi – 110 003  
India

**[Tel: 91-11-24627830]**

**[Fax: 91-11-24692374]**

**[E-mail: [tuhi@dgca.nic.in](mailto:tuhi@dgca.nic.in)]**

3.0.0 General.

(a) The FAA will conduct certification activities under a validation process on a product in order to make a finding of compliance and **[to issue an FAA design approval]**. The validation process is initiated by an application and normally entails a familiarization briefing by the applicant, the establishment of the certification basis by the FAA, a technical information **[data exchange]**, specialists meetings on technical compliance, the development of issue papers, establishment of the scope of delegation to the exporting authority, compliance determinations, and finally, the issuance of the design approval. The design approval issued by the FAA is based to the maximum extent practicable on the technical evaluations, tests, inspections, and compliance certifications made by the exporting authority.

(b) **[The] DGCA**, as the importing authority, will conduct an acceptance~~[/validation]~~ process before issuing a **[Letter of Type Acceptance (LoTA)/Letter of Type Validation (LoTV)]** on the basis of the TC issued by the FAA **[in accordance with the requirements specified in the CAR Section 6, Series A, Part I/ Part II and the procedure set forth in the Aircraft Engineering Handbook (AED-HDBK) Part 8. It specifies the data, reports and other information to**

**be furnished for DGCA Type Acceptance/ Type Validation.]**

(c) Working in accordance with the principle that communications **[will]** occur between authorities, correspondence with the applicant will be answered through and coordinated with the exporting authority. The FAA and **[the]** DGCA also recognize that direct communications between the importing authority and the applicant are sometimes necessary. Direct communications **[will]** be limited to technical questions regarding the product (familiarization) with awareness and consent of either authority. The exporting authority **[shall]** be informed of the outcome **[of]** these communications.

(e) The FAA does not normally issue a design approval for articles manufactured outside the U.S. unless they are to be imported to the U.S. or incorporated into the design of a U.S. registered aircraft or U.S. manufactured product or article. **[Applicants]** for U.S. design approval should provide the FAA with evidence of import or intent to incorporate the article into a U.S. registered **[aircraft or U.S. manufactured product or article.]**

3.0.4 Procedures for DGCA Acceptance **[of a FAA TC]**. The DGCA **[shall]** accept**[/validate]** Type Certificates issued by the FAA after reviewing the application and supporting documentation **[as required under applicable regulations]**. A **[LoTA]** is issued **[by the DGCA]** for products imported from the United States **[for which U.S is the State of Design]** under the provisions of **[Rule 49E of the Aircraft Rules, 1937, CAR Section 6, Series A, Part II]** and AED-HDBK Part 8. **[A LoTV is issued by the DGCA for products that are intended to be manufactured in India under a license agreement with the FAA TC holder and/or those products that are intended to be integrated on an aircraft for which India is the State of Design under the provisions of Rule 49B of the Aircraft Rules, 1937, CAR Section 6, Series A, Part I and AED-HDBK Part 8.]**

3.0.4.0 Application for **[DGCA]** LoTA.

(a) **[The applicant should submit an application for a LoTA using the web-based ‘eGCA Portal’ of DGCA along with the requisite certification documents, data and reports. The applicant will be required to upload a copy of forwarding letter addressed to the Aircraft Engineering Directorate (AED) of DGCA from the appropriate FAA Branch responsible for the applicant. The link for accessing the web-based ‘eGCA Portal’ is <https://www.dgca.gov.in/digigov-portal/jsp/dgca/common/login.jsp>]**

(b) **[The DGCA may determine that additional data is needed to process the application for LoTA].** If mutually agreed **[to]** by the DGCA and the FAA, **[the additional data may be]** submitted after **[the initial]** review of the application.

**[(c) Details of applicable fees are specified in Rule 62 of The Aircraft**

**Rules, 1937 and are required to be paid online through the web portal].**

#### 3.0.4.1 Establishment of DGCA Type Acceptance Basis

(a) Acceptance Basis. The DGCA **[shall]** accept the FAA certification basis **[including Special Conditions, Equivalent Level of Safety Findings, Exemptions]**, if any, in accordance with **[CAR Section 6, Series A Part II]**, on the date the **[original]** application was made for **[the FAA]** Type Certificate.

(c) Environmental (Type) Acceptance Basis. The acceptance basis for compliance with CAR 21.18 and 21.20 is the effective amendment on the date of **[the]** original application to the FAA. The DGCA **[shall]** accept, **[as equivalent, the FAA's findings of compliance to 14 CFR parts 34 and 36.]**

**[3.0.4.2] Evaluation of Operational and Maintenance Aspects**. Unless notified otherwise, the flight test carried out by the FAA will be sufficient for DGCA Type Acceptance. The DGCA **[shall]** accept the FAA's approved flight manual, evaluation of maintenance aspects, and the Master Minimum Equipment List (MMEL). **[The DGCA may also impose additional operational and/or maintenance limitations/ conditions, if deemed necessary, at the time of issuance of LoTA.]**

**[3.0.4.3] LoTA Issuance**. After reviewing the application and other documentation, the DGCA **[shall]** make its findings of compliance and issue the LoTA.

**[3.0.4.4] Notification of Issuance of the LoTA**. **[The] DGCA [shall]** notify the **[appropriate FAA Branch upon the DGCA's]** issuance of the LoTA.

#### 3.0.5 [Procedures for DGCA Acceptance of an FAA STC]

(a) **[STCs issued by the FAA are accepted]** by the DGCA under the provisions of **[Rule 49G of the Aircraft Rules, 1937 and CAR Section 6; Series A, Part II]**. The procedures for acceptance of STCs are detailed in AED-HDBK Part 8].

(b) **[The applicant should submit an application for acceptance of an STC using the web-based 'eGCA Portal' of DGCA along with the requisite certification documents, data and reports. The applicant will be required to upload a copy of forwarding letter addressed to the AED of DGCA from the appropriate FAA Branch responsible for the applicant. The link for accessing the web-based 'eGCA Portal' is, <https://www.dgca.gov.in/digigov-portal/jsp/dgca/common/login.jsp>.**

(c) **[Details of applicable fees are specified in Rule 62 of The Aircraft Rules 1937 and are required to be paid online through the web portal.**

**[(d) After reviewing the application and other documentation, the DGCA shall make its findings of compliance and issue the LoTA for STC. The DGCA shall also notify the appropriate FAA Branch upon the issuance of the LoTA for STC.]**

3.3.1.1 Procedures for Changes to a DGCA LoTA [for a TC]. The DGCA **[shall]** usually accept FAA-approved post-certification design changes to **[the]** type accepted products without the need for further showing **[findings of compliance, unless the change affects the certification basis, airworthiness/operating limitations, or it adds a new model. Further, design changes affecting the TCDS will]** require **[revised acceptance]** under procedures similar to **[those]** described in paragraph 3.0.4, but adjusted as appropriate for the magnitude and complexity of the design change.

3.3.1.2 **[Procedures for Changes to a DGCA LoTA for an STC]**. The DGCA **[shall]** accept FAA-approved design changes to FAA STCs for products for which the DGCA has **[previously]** issued a LoTA, **[without the need for further showing findings of compliance]**, unless **[the change affects the certification basis, or results in the addition of a new model, in which case, the procedures in paragraph 3.0.5 will be followed. If the addition of a new model is in accordance with the FAA Approved Model List (AML)'s policies and applicable regulatory requirements, then the DGCA will adjust the process in paragraph 3.0.5 (provided the STC holder has stated that there are no changes in the certification documents through the FAA) and focus on the substantiation of any differences introduced by the new model]**.

3.3.1.3 Procedures for Changes to a Flight Manual. The DGCA may **[accept FAA's approval of revisions to flight manuals, supplements and appendices. If needed, the DGCA shall seek assistance from the FAA in order to incorporate any additional changes the DGCA needs so that the DGCA is able to accept the revised flight manuals, supplements and appendices upon approval by FAA.]**

3.3.1.4 Procedures for Changes to a U.S. TSO Article Accepted by the DGCA. The DGCA **[shall]** accept major changes to a U.S. TSO design in accordance with the procedures in paragraph 3.0.6. For minor changes, the DGCA **[shall]** not require prior notification and will rely upon **[prior FAA determination of regulatory compliance]**.

[Replace APPENDICES A and B in their entirety with:]

## APPENDIX A

List of Addresses for  
FAA Headquarters Offices, FAA Mike Monroney Aeronautical Center, FAA  
Aircraft Certification Service Directorates, FAA Manufacturing Inspection Offices,  
and  
DGCA Offices

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### A.1 List of Addresses for the FAA and the DGCA

#### A.1.1 FAA Offices

Key FAA Offices for these Implementation Procedures are:

#### **For the FAA**

Federal Aviation Administration  
Aircraft Certification Service  
International Office (AIR-40)  
800 Independence Avenue SW  
Washington, DC 20591  
U.S.A.  
Tel: 1-202-267-0908  
Fax: 1-202-267-1261  
E-mail: [9-AWA-AVS-AIR400@faa.gov](mailto:9-AWA-AVS-AIR400@faa.gov)

#### **FAA Offices**

#### **Key Aircraft Certification Service Offices for these Implementation Procedures**

#### **Contact Point for Airworthiness Directives**

#### **Policy & Standards Division**

#### Mailing Address:

Federal Aviation Administration  
Aircraft Certification Service  
Policy and Standards Division (AIR-600)  
(ATTN: (Enter an AIR-600 office from the list below))  
800 Independence Avenue SW  
Washington, DC 20591  
Tel: 1-202-267-1575  
E-mail: [AIR-600-ORG-AWA@faa.gov](mailto:AIR-600-ORG-AWA@faa.gov)



Continued Operational Safety Systems Section, AIR-633

*-Technical & policy experts in safety risk management and mitigation*

Design and Maintenance Systems Section, AIR-631

*Technical & policy experts in design certification systems*

- *Type certification (TC)*
- *Supplemental TC*
- *Instructions for Continued Airworthiness*
- *Interface with repair and alterations*

Product Policy Management

GA Airplanes, Rotorcraft & Emerging Aircraft Section, AIR-62B

*-Regulatory and policy responsibility for powered lift, normal and transport category rotorcraft.*

*-Regulatory and policy responsibility for:*

- 1. Airplanes weighing less than 12,500 pounds and having passenger configurations of 9 seats or less;*
- 2. Commuter airplanes weighing 19,000 pounds or less, with passenger configurations of 19 seats or less; and*
- 3. Gliders, airships, manned free balloons, and VLA.*

Product Policy Management

Transport Airplanes & Engines Section, AIR-62A

*-Regulatory and policy responsibility for all transport category airplanes.*

*-Regulatory and policy responsibility for all aircraft engines, propellers, and auxiliary power units.*

**Contact Point for TC, STC and Article Approval Applications**

International Validation Branch AIR-730

1600 Stewart Avenue,  
Suite 410

Westbury, NY 11590

Tel: 1-516-228-7310

Fax: 1-516-794-5531

Email: [9-AVS-AIR-730-FAA-Validation@faa.gov](mailto:9-AVS-AIR-730-FAA-Validation@faa.gov) – General mailbox

[9-AVS-AIR-730-AMOC@faa.gov](mailto:9-AVS-AIR-730-AMOC@faa.gov) – AMOCs

**System Oversight (SO) Division for Manufacturing Inspection**

East Certificate Management Branch

AIR-850

1200 District Avenue

Burlington, MA 01803

Tel: 1-781-238-7180

Fax: 1-781-238-7898

For the States of: Alabama, Connecticut, Delaware, Florida, Georgia, Maine,

Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, and West Virginia:

Submit Conformity Inspection Requests to: [9-ANE-180-FRFC@faa.gov](mailto:9-ANE-180-FRFC@faa.gov) or [9-ANM-108-FRFC@faa.gov](mailto:9-ANM-108-FRFC@faa.gov)

Central Certificate Management Branch

AIR-860  
10101 Hillwood Parkway  
Fort Worth, TX 76177  
Tel: 1-817-222-5180  
Fax: 1-817-222-5136

For the States of: Arkansas, Alaska, , Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Missouri, Nebraska, New Mexico, , North Dakota, Ohio, Oklahoma, , South Dakota, Texas, and Wisconsin:

Submit Conformity Inspection Requests to: [9-ASW-180-FRFC@faa.gov](mailto:9-ASW-180-FRFC@faa.gov)

West Certificate Management Branch

AIR-870  
2200 South 216<sup>th</sup> Street  
Des Moines, IA 50319  
Tel: 1-206-231-3664  
Fax: 1-206-231-3219

For the States of: Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming:

Submit Conformity Inspection Requests to: [9-ANM-108-FRFC@faa.gov](mailto:9-ANM-108-FRFC@faa.gov)

**Environmental Policy and Regulations**

Office of Environment and Energy

AEE-1  
800 Independence Avenue, SW  
Washington, DC 20591  
Tel: 1-202-267-3576  
Fax: 1-202-267-5594

FM&D/SDR Reports

Copies of U.S. Failures, Malfunctions, and Defects (FM&D) and Service Difficulty Reports (SDR) reports are available from the FAA Mike Monroney Aeronautical Center, Aviation Data Systems Branch, AFS-620. Copies of U.S. FM&D reports are also available on the Mike Monroney Aeronautical Center internet web site at <http://av-info.faa.gov/sdrx>.

### A.1.2 DGCA Offices

Key DGCA Offices for these Implementation Procedures are:

#### **DGCA Offices**

##### **Contact Point for Initial and Continued Airworthiness**

Aircraft Engineering Directorate  
Directorate General of Civil Aviation  
Opp. Safdarjung Airport,  
Technical Centre, Aurobindo Marg  
New Delhi – 110003  
India  
Tel: 91-11-24627830  
Fax: 91-11-24652760  
E-mail: [dgoffice.dgca@nic.in](mailto:dgoffice.dgca@nic.in)

##### **Contact Point for Continuing Airworthiness**

Dy. Director General  
O/o Director General of Civil Aviation  
Opposite Safdarjung Airport  
New Delhi -110003  
India  
Tel: +91-11-24627830  
Fax: 91-11-24652760  
E-mail: [tuhi@dgca.nic.in](mailto:tuhi@dgca.nic.in)

## **APPENDIX B**

### List of Referenced Documents

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#### ***FAA Referenced Documents***

1. Code of Federal Regulations, Title 14, parts 21-36, 39, 43, 45, 91, and 183
2. FAA Advisory Circular 21-23
3. FAA Order 8110.4
4. FAA Order 8130.2
5. FAA Order 8130.21
6. FAA Advisory Circular 21-2
7. ICAO Annex 8
8. FAA Order 8120.22
9. FAA Order 8100.7
10. FAA Order 8000.79
11. FAA Advisory Circular 21-20
12. FAA Order 8900.1
13. FAA Advisory Circular 21-43

#### ***DGCA Referenced Documents***

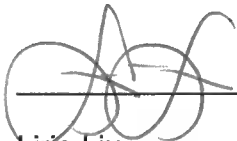
1. The Aircraft Act, 1934
2. The Aircraft Rules, 1937
3. Civil Aviation Requirements (CAR) 21
4. Civil Aviation Requirements (CAR) Section 2
5. Civil Aviation Requirements (CAR) Section 6
6. CAR M
7. Aero Engineering Division Handbook of Procedures (AED-HDBK)
8. Airworthiness Procedures Manual
9. Surveillance Procedures Manual

**[CHAPTER 3]: AUTHORITY**


The FAA and the DGCA agree to the amendment of these Implementation Procedures, as indicated by the signature of their duly authorized representatives.

Federal Aviation Administration  
Department of Transportation  
United States of America

Directorate General of Civil Aviation  
Ministry of Civil Aviation  
India

  
\_\_\_\_\_  
Date

Lirio Liu  
Executive Director  
Aircraft Certification Service

  
\_\_\_\_\_  
Date

Vikram Dev Dutt  
Director General  
Directorate General of  
Civil Aviation