



**WORKING PROCEDURE FOR THE  
TYPE VALIDATION AND  
CONTINUED AIRWORTHINESS  
OF U.S. AERONAUTICAL PRODUCTS**

**BETWEEN THE**

**FEDERAL AVIATION ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION  
UNITED STATES OF AMERICA**

**AND THE**

**DIRECTORATE GENERAL OF CIVIL AVIATION  
OF THE  
REPUBLIC OF TÜRKİYE**

**1. Purpose**

The purpose of this Working Procedure is to define the procedures by which the Federal Aviation Administration (FAA) of the United States (U.S.) shall support the Directorate General of Civil Aviation (DGCA) of the Republic of Türkiye in approving aeronautical products and articles exported from the U.S. to Türkiye. This document also sets forth the procedures for cooperation between the FAA and the DGCA in the areas of continued airworthiness, including approval of design changes, service difficulty reporting, and accident or incident investigation.

**2. Scope**

This Working Procedure applies to all U.S. type certificated and manufactured aeronautical products (aircraft, aircraft engines, and propellers), aeronautical articles (materials, parts, components, processes, or appliances). Additionally, it applies to changes to the aforementioned U.S. products and aeronautical articles and changes to non-U.S. State of Design (SoD) products<sup>1</sup> being exported from the U.S. to Türkiye for which the DGCA requires or requests to be issued Export Airworthiness Approvals.

**3. Protection of Data**

3.1 When the FAA provides information to the DGCA, including but not limited to personal information, pursuant to this Working Procedure and in accordance with applicable U.S. laws and regulations, the FAA shall identify whether that information is sensitive or confidential and the nature of that sensitivity or confidentiality. The FAA, subject to U.S. laws and regulations, may impose limitations on the use or disclosure of information to the DGCA. The DGCA may

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<sup>1</sup> Non-U.S. SoD products with FAA-approved modifications are eligible for import to Türkiye if the product type design has heretofore been accepted by the DGCA.

also impose similar limitations subject to Turkish laws, regulations and policies on the disclosure of information to the FAA.

3.2 The FAA and the DGCA recognize that certain data submitted by a design approval holder is the intellectual property of that holder, and release of that data by the FAA or the DGCA is restricted. The FAA and the DGCA shall not copy, release, or show proprietary data obtained from either Authority to anyone other than an FAA or a DGCA employee without written consent of the design approval holder or other data submitter. The FAA or the DGCA shall obtain this written consent from the design approval holder through the civil aviation authority of the State of Design and provide it to the other Authority.

#### **4. Freedom of Information Act (FOIA) Request**

The FAA often receives requests from the public under the United States Freedom of Information Act (FOIA) (Title 5 of the United States Code, section 552) (5 U.S.C. 552) to release information that the FAA may have in its possession. The FAA must disclose each record in its possession under the FOIA unless a FOIA exemption applies to that record. Trade secrets and financial or commercial information that is confidential or privileged are examples of criteria that may exempt records from FOIA. Design approval holders' data may include trade secrets or other information that is confidential because release of the information would damage the competitive position of the holder or other person.

#### **5. Type Acceptance**

##### **5.1. Application Process**

5.1.1. The FAA shall receive requests from any U.S. person who holds or will hold a U.S. Type Certificate (TC) or Supplemental Type Certificate (STC) and who seeks DGCA Type Acceptance. The responsible FAA Aircraft Certification Office (ACO) Branch or the Boeing Aviation Safety Oversight Office (BASOO) Branch identified in Appendix A, shall submit the request to the DGCA. The contact information for the FAA and the DGCA offices for acceptance activities are listed under "Contacts for Acceptance and Continued Airworthiness" in Appendix A. TC and STC application checklists are available in English from the DGCA upon request.

5.1.2. If the DGCA charges a fee to industry for its services, then the DGCA shall make its fee schedule publicly available on their website (or equivalent).<sup>2</sup> This information shall include the manner in which such fees may be paid by the applicant to the DGCA. The payment of applicable fees, if any, by the FAA TC or STC holder is required.

5.1.3. Subject to the availability of resources, the FAA shall assist the DGCA in conducting DGCA Type Acceptance of U.S. products.

5.1.4. The application package shall include a brief description of the aircraft, a copy of the TC or STC, the Type Certificate Data Sheet (TCDS) (with

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<sup>2</sup> The DGCA fee schedule is available in Turkish here: <http://web.shgm.gov.tr/tr/kurumsal/4007-hizmet-tarifesi>



evidence of noise certification and type certification basis), the aircraft's intended use, and schedule for importation into Türkiye. Additional data may be submitted as described in:

- (a) FAA Advisory Circular (AC) 21-52, *Obtaining Foreign Design Approval / Acceptance of U.S. Products and Articles*; and
- (b) DGCA Circular UED-2021/2, *On Type Acceptance*<sup>3</sup> (In Turkish: "Tip Kabul Genelgesi")

5.1.5. In addition to the applicable FAA airworthiness requirements, an application must include the following specific Turkish import requirements:

- (a) Export Certificate of Airworthiness issued by the FAA or equivalent document, or statement of conformity issued by the manufacturer;
- (b) TCDS of aircraft, engine, and propeller.

**Note:** The FAA shall also refer to the latest edition of FAA Order 8110.52, *Type Validation and Post-Type Validation Procedures*, for additional guidance on how the FAA supports validation by foreign authorities of exported U.S. products.

## 5.2. Type Acceptance Process

5.2.1. Type Acceptance is dependent upon effective communication between the FAA, the DGCA, and the applicant. The FAA and the DGCA shall communicate with each other early and frequently to achieve concurrence on significant certification issues.

5.2.2. The DGCA shall notify the applicant, through the appropriate FAA office as indicated in the FAA cover letter of the application package:

- (a) Within ten (10) working days that it is in receipt of the application, and,
- (b) Within thirty (30) working days if it has identified any missing information required to complete its review, and
- (c) The anticipated date of an approval/acceptance.

5.2.3. If necessary, the DGCA shall notify the responsible ACO Branch or BASOO Branch, in writing, at least thirty (30) days prior to any visit related to type acceptance of a U.S. product. The FAA ACO Branch or BASOO Branch shall acknowledge the DGCA's notification and advise the DGCA as to whether the ACO Branch or BASOO Branch is able to support a DGCA acceptance team visit within ten (10) working days.

5.2.4. The DGCA certification basis for the product shall consist of the FAA type certification basis plus any additional technical conditions required by the DGCA.

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<sup>3</sup> "DGCA Circular UED-2021/2, *On Type Acceptance*" is available here:  
<http://mevzuat.shgm.gov.tr/index.php/genelge>

- (a) The DGCA shall accept the findings and approvals of the FAA as the basis for determining whether a DGCA Type Acceptance (TA) certificate or equivalent may be issued.
  - (b) The aircraft's engine, propeller and components shall be approved by the DGCA as part of the aircraft TC/STC and the DGCA shall not issue separate approvals for engines and propellers that are part of the aircraft TC/STC. Depending on the type of product, the FAA shall provide additional information as necessary.
- 5.2.5. In addition to complying with applicable FAA airworthiness requirements, an applicant must also demonstrate compliance with markings and placard requirements as prescribed in DGCA Circular UED-2021/2, *On Type Acceptance*.
- 5.2.6. The DGCA shall advise the FAA of any additional technical conditions (consistent with DGCA certification standards) to be imposed on the product.
- (a) The DGCA shall assist the FAA in understanding and applying those additional technical conditions.
  - (b) Upon the request of the DGCA and subject to the availability of resources, the FAA shall evaluate, on behalf of the DGCA, whether the data submitted by the U.S. applicant demonstrates compliance with the DGCA's additional technical conditions.
  - (c) If the DGCA elects to evaluate compliance to its additional technical conditions, FAA specialists shall assist as requested.
  - (d) Upon completion of the type acceptance process, and if not already provided in the application, the FAA shall provide the DGCA with a copy of all appropriate TCs, TCDS, and STCs for the aeronautical product or modification.
  - (e) Upon request, and within the constraints of Section 3, above, "Protection of Data," the FAA may also provide the DGCA with copies of FAA-approved data that support those certificates.
- 5.2.7. All U.S. documents shall be submitted in the English language.
- 5.2.8. Documents for review by the DGCA are found in DGCA Circular UED 2021/2, *On Type Acceptance* and FAA AC 21-52.
- 5.2.9. The DGCA shall issue a TC or STC after it reviews the FAA certificate package and is satisfied with any additional technical conditions.
- 5.2.10. The DGCA shall provide notification to the FAA prior to any changes to this process.

### 5.3. Post-Type Acceptance Process

- 5.3.1. The FAA shall review and approve design changes to aeronautical products initiated by a U.S. design approval holder in accordance with



current FAA regulations and policies regarding major and minor design changes.

5.3.2. The DGCA shall accept FAA approvals for major and minor design changes, including STCs, by the TC holder, without further involvement.

5.3.3. An STC held by an organization other than the TC holder shall be processed by the DGCA in accordance with Section 5.2, above, "Type Acceptance Process." After an STC held by an organization other than the TC holder has completed the Type Acceptance Process and has been issued a DGCA STC, minor and major changes to that STC shall be accepted by the DGCA without further involvement.

5.3.4. In the event that the DGCA requires assistance regarding any amended TCs (e.g. new model or major design changes), the FAA shall assist the DGCA as described in Section 5.2, above.

## **6. DGCA Acceptance of Articles:**

The DGCA shall accept without any issuance of an equivalent certificate by the DGCA the following:

6.1 FAA Technical Standard Order (TSO) authorized articles; and

6.2 New FAA-approved replacement and modification parts, including FAA critical Parts Manufacturer Approval (PMA) parts for installation on all products, regardless of the State of Design of the product at the time of approval by the FAA; and

6.3 Minor design changes to these articles made by the design approval holder.

## **7. Continued Airworthiness**

The FAA and the DGCA shall cooperate in providing for the continued airworthiness of the aeronautical products and articles specified in this Working Procedure as follows:

### **7.1. Airworthiness Approval**

7.1.1. The FAA acknowledges that the DGCA requires that a U.S.-manufactured aircraft must be eligible for a current FAA airworthiness certificate and comply with any additional DGCA technical requirements in order to receive a DGCA airworthiness certificate.

7.1.2. The FAA and the DGCA acknowledge the civil aviation authority of the State of Registry is responsible for the airworthiness condition of any new or used U.S. designed and manufactured aircraft, engine, and propeller exported to Türkiye from a third country in accordance with International Civil Aviation Organization (ICAO) Annex 8.

## 7.2. Continued Airworthiness Information

- 7.2.1. The DGCA shall accept an FAA Airworthiness Directive (AD) as a minimum airworthiness standard for the continued airworthiness of the applicable aeronautical product, for which the U.S. is the State of Design.
- 7.2.2. The DGCA may issue its own ADs on the basis of discussions with the FAA and the approval holder and a review of actions taken and/or proposed by the FAA and approval holder.
- 7.2.3. The FAA shall provide copies of applicable FAA-approved Alternative Methods of Compliance (AMOC) to the DGCA.
- 7.2.4. The DGCA shall accept FAA AMOCs for FAA ADs.
- 7.2.5. The FAA shall electronically distribute continued airworthiness information, to include Continued Airworthiness Notifications to the International Community (CANIC), emergency ADs, and other ADs, to the following DGCA Airworthiness Department's general address:

Gazi Mustafa Kemal Bulvarı  
No: 128/A 06570  
Maltepe / ANKARA  
Tel: +90 312 444 6001  
Fax: +90 312 212 46 84  
[bakim@shgm.gov.tr](mailto:bakim@shgm.gov.tr)

## 7.3. Accident Investigation

In accordance with the ICAO Annex 13, the FAA shall provide information and technical assistance, as necessary and subject to the availability of resources, in support of accident investigations within Türkiye involving U.S. State of Design or State of Manufacture aeronautical products.

## 7.4. Service Difficulty Reporting

- 7.4.1. The DGCA shall advise the FAA of any service problems occurring on any aeronautical product or article for which the U.S. is the State of Design and the DGCA believes the problem is a potentially unsafe condition due to a design or manufacturing issue. This information and inquiries regarding the continued airworthiness of U.S. products should be submitted to the responsible FAA office as indicated in Appendix A.
- 7.4.2. The FAA shall provide information on the resolution of service problems only if mandatory action to maintain safety is required through issuance of an FAA AD, reference paragraph 7.2. If a significant service issue or incident occurs on a DGCA-registered and operated aircraft, the FAA shall respond to specific questions when the questions are directed to the responsible FAA ACO Branch or the BASOO Branch, as indicated in Appendix A.

## 7.5. Operational and/or Maintenance Instructions

- 7.5.1. The FAA shall determine the acceptability of revisions to the applicable specified engine or propeller installation manuals, including operating instructions, and instructions for continued airworthiness, to include the Airworthiness Limitations Section, and operating procedures (e.g. Aircraft Flight Manual), in accordance with current FAA policies and procedures. The DGCA acknowledges FAA-approved changes to these documents as minimum continued airworthiness standards for the engines or propellers. The DGCA shall provide the FAA with a copy of additional import requirements regarding these documents, if any.
- 7.5.2. The DGCA agrees that the appropriate Maintenance Review Board report or the Maintenance Planning Document, resulting from the FAA's certification process, as the basis for determining DGCA maintenance requirements.

## **8. Export Procedures**

The export of U.S.-manufactured type certificated products and manufactured articles from the U.S. to Türkiye shall be in accordance with the requirements of Title 14, Code of Federal Regulations (14 CFR) part 21, Subpart L, *Export Airworthiness Approvals*.

## **9. DGCA Acceptance of FAA Repair Data**

- 9.1. The DGCA shall accept FAA approved data used in support of major or minor repairs and/or alterations when:
  - 9.1.1. The DGCA has validated/accepted the product or article; and
  - 9.1.2. The FAA is the authority for State of Design for the repair data that has been provided by the U.S design approval holder, or FAA Authorized Repair Station; or
  - 9.1.3. The FAA accepted a Foreign Civil Aviation Authority's (FCAA) repair data as part of export/import of used aircraft where:
    - (a) The FAA has a bilateral agreement with the FCAA that approved the repair data; and
    - (b) The scope of the bilateral agreement with the FCAA includes FAA acceptance of this repair data.
- 9.2. The repair data shall be considered approved by the DGCA as part of its acceptance of the FAA's system. This process does not require formal approval of the repair data by the DGCA or a DGCA design organization approval holder.
- 9.3. U.S. design approval holders retain substantiation that supports major repairs and/or alterations. Upon request, the FAA shall transmit the data it acquires from the U.S. design approval holder to the DGCA.



**Note:** “Major Repair” means a repair that, if improperly done, might appreciably affect weight, balance, structural strength, performance, power plant operation, flight characteristics, or other qualities affecting airworthiness; or a repair that is not done according to accepted practices or cannot be done by elementary operation.

**10. Interpretation**

In the case of conflicting interpretations of the laws, regulations, standards or requirements under this Working Procedure, the interpretation of the civil aviation authority whose law, regulation, standard, or requirement is being interpreted shall prevail.

**11. Appendices**

Appendix A to this procedure identifies the DGCA and the FAA personnel that may be contacted regarding this working procedure. Appendix B lists the documents referenced in this Working Procedure.

**12. Language**

All documents and correspondence exchanged between authorities under this Working Procedure shall be in the English language.

**13. Financial Obligations**

The FAA and the DGCA shall pay their own costs and expenses incurred in connection with this Working Procedure.

**14. Amendments**

This Working Procedure may be amended by mutual consent of the FAA and the DGCA upon written agreement signed by both parties.

**15. Entry into Force and Termination**

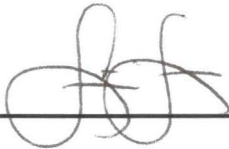
This Working Procedure shall enter into force upon signatures of both the FAA and the DGCA and shall remain in force until terminated. Either the FAA or the DGCA may terminate this Working Procedure by providing the other party sixty (60) days' notice in writing.



16. **Authority**

The FAA and the DGCA agree to the provisions of this Working Procedure as indicated by the signatures of their duly authorized representatives.

Federal Aviation Administration  
Department of Transportation  
United States of America



Lirio Liu  
Executive Director  
Aircraft Certification Service

Directorate General of Civil Aviation of the  
Republic of Türkiye



Prof. Dr. Kemal YÜKSEK  
Acting Director General  
Directorate General of Civil Aviation

Date September 29, 2022

Date 29/09/2022

## APPENDIX A

### CONTACTS FOR ACCEPTANCE AND CONTINUED AIRWORTHINESS ACTIVITIES

<u>DGCA</u>	<u>FAA</u>
<u>Certification Coordinator</u> Gazi Mustafa Kemal Bulvarı No:128/A 06570 Maltepe Ankara Tel: +90 312-444-6001 Fax: +90 312-212-46-84 Email: <a href="mailto:shy21@shgm.gov.tr">shy21@shgm.gov.tr</a>	<u>Manager</u> <u>International Office (AIR-40)</u> Aircraft Certification Service 600 Independence Avenue, S.W. Wilbur Wright Bldg. 108, Suite 6W1000 Washington, D.C. 20591 Tel: +1 202-267-1011 Fax: +1 202-493-5144 Email: <a href="mailto:9-AWA-AVS-AIR400@faa.gov">9-AWA-AVS-AIR400@faa.gov</a>
<u>Airworthiness Coordinator</u> Gazi Mustafa Kemal Bulvarı No:128/A 06570 Maltepe Ankara Tel: +90 312-444-6001 Fax: +90 312-212-46-84 Email: <a href="mailto:airw@shgm.gov.tr">airw@shgm.gov.tr</a>	<u>Airworthiness Division (AIR-700)</u> ACO Branch For a listing of FAA ACO Branches see: <a href="http://www.faa.gov/about/office_org/field_offices/aco/">http://www.faa.gov/about/office org/field offices/aco/</a> <a href="https://www.faa.gov/aircraft/air_cert/locate_office/aco/">https://www.faa.gov/aircraft/air_cert/locate_office/aco/</a>
<u>Head of Airworthiness Department</u> Gazi Mustafa Kemal Bulvarı No:128/A 06570 Maltepe Ankara Tel: +90 312-444-6001 Fax: +90 312-212-46-84 Email: <a href="mailto:bakim@shgm.gov.tr">bakim@shgm.gov.tr</a>	<u>BASOO Branch (for Boeing airplane exports)</u> AIR-860 2200 South 216 <sup>th</sup> Street Des Moines, WA 98198 Tel: +1 206-231-3595 Email: <a href="mailto:9-ANM-BASOO-Validation@faa.gov">9-ANM-BASOO-Validation@faa.gov</a>
	<u>Design and Maintenance Systems (AIR-631)</u> Aircraft Certification Service 950 L'Enfant Plaza N, SW Washington, DC 20591 Tel: +1-202-267-1599

## APPENDIX B

### LIST OF REFERENCED DOCUMENTS

#### DGCA Referenced Documents

1. DGCA Circular UED-2021/2, *On Type Acceptance*
2. SHGM.UED.26005653.FR.365, *Type Acceptance Application Control Form (Checklist)*
3. SHGM.UED.26005653.FR.376, *DGCA Supplemental Type Certificate Acceptance Application Control Form (Checklist)*

#### FAA Referenced Documents

1. Title 14, Code of Federal Regulations (14 CFR) part 21, Subpart L, *Export Airworthiness Approvals*
2. FAA Advisory Circular 21-52, *Obtaining Foreign Design Approval/Acceptance of U.S. Products and Articles.*
3. FAA Order 8110.52, *Type Validation and Post-Type Validation Procedures*