

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

1. Purpose

The purpose of this document is to define the procedures by which the U.S. Federal Aviation Administration (hereinafter referred to as FAA) will assist the General Civil Aviation Authority of the United Arab Emirates (hereinafter referred to as GCAA) in approving U.S. type certificated aircraft, including rotorcraft and components. It also sets forth the procedures for GCAA and FAA cooperation in the area of continued airworthiness, including approval of changes of design, service difficulty reporting, and accident or incident investigation.

2. Scope

This working procedure applies to U.S. type certificated aircraft, engines, propellers and other aeronautical components (hereafter referred to as aeronautical products) as well as changes to those products.

3. Protection of Data

a. The GCAA acknowledges that the release of certain data by U.S. manufacturers is restricted by U.S. Government export licensing requirements. FAA agrees to review on behalf of the GCAA and, if appropriate, determine the compliance of such data with the airworthiness and environmental standards identified by the GCAA. The GCAA agrees to accept FAA approval of this data as the basis for determining compliance to the GCAA requirements. Alternatively on a case-by-case basis, FAA and GCAA will develop a procedure that satisfies both GCAA requirements and U.S. laws.

b. GCAA further acknowledges that release of certain data by the U.S. government is restricted by U.S. statutes and regulations regarding proprietary data. FAA agrees to identify data that is proprietary, and GCAA agrees that it will not share or release any proprietary data received from the FAA without the written consent of the owner of the data.

4. Type Validation

a. Application Process

1) FAA will accept requests from U.S. civil aircraft manufacturers, on behalf of the GCAA, for GCAA type certification at the office of the geographically responsible FAA Aircraft Certification Office (ACO), which will convey the request to the GCAA.

2) Subject to the availability of resources, FAA will assist GCAA specialists in conducting GCAA type validation of U.S. aircraft.

- 3) The application package must provide a brief description of the aircraft, a copy of the TC, if issued, and the type certificate data sheet (with evidence of noise certification and type certification basis), and the aircraft's intended utilization and the schedule for importation in the UAE.
- 4) In addition to the applicable FAA airworthiness requirements, the applicant must demonstrate compliance with the following specific UAE import requirements:
 - (a) Compliance with security requirements as per ICAO Annex 6, chapter 13;
 - (b) Markings and placards in Arabic language;
 - (c) Nationality and Registration marks in accordance with CAR Part V Chapter 1, Paragraph 1.3, Section 1;
 - (d) Compliance with Noise Requirements as per ICAO Annex 16; and
 - (e) Compliance with Fuel Venting and Emission as per ICAO Annex 16

b. Validation Process

- 1) Validation requires effective communication between the FAA, GCAA, and the applicant. FAA and GCAA are committed to communicate with each other early and frequently and to seek the other's opinions before resolving significant certification issues.
- 2) GCAA will notify the geographically responsible ACO in writing at least 30 days prior to any visit related to type validation of a U.S. aircraft. The FAA ACO will acknowledge GCAA's notification and advise GCAA whether it is able to support a GCAA certification team visit during the requested period.
- 3) The GCAA certification basis for the aircraft will consist of the FAA type certification basis plus any additional technical conditions imposed by the GCAA in order to comply with UAE requirements. GCAA will define these technical conditions on a case-by-case basis. The aircraft's engine, propeller and components will be GCAA-approved as part of the aircraft type certificate.
- 4) GCAA will advise FAA of any additional technical conditions to be imposed on the product through the issue paper process. GCAA will also assist FAA representatives in understanding and applying those additional technical conditions.
- 5) Upon the request of GCAA and subject to the availability of resources, the FAA will evaluate whether the data submitted by the U.S. applicant demonstrates compliance with the GCAA additional technical conditions. If GCAA elects to evaluate compliance to its additional technical conditions, FAA specialists will assist as requested.
- 6) The GCAA will accept the findings and approvals of the FAA. However, depending on the type of aircraft, FAA will provide, as requested, additional information or facilitate GCAA participation in the following areas:
 - (a) Approval of cabin arrangement and safety equipment;
 - (b) Participation in Operation Evaluation Board activities (see note);

- (c) Participation in Maintenance Review Board activities (see note);
- (d) Aircraft course(s);
- (e) Type Rating for GCAA Flight Ops Inspector(s); or
- (f) Any other area defined in the course of the TC Validation

(Note: If already completed at the time of application, the final Board reports shall be submitted to GCAA.)

- 7) Upon completion of the validation program, the FAA will provide the GCAA with a copy of all appropriate type certificates (FAA Form 8110-9) and type certificate data sheets for these aeronautical products. The FAA will provide GCAA with copies of FAA-approved data that support those certificates upon request, within the constraints of paragraph 3.
- 8) The documents required to be submitted in the English language for review by the GCAA are found in GCAA Information Bulletin 06/2006: *Validation of Foreign Type Certificates*.
- 9) GCAA will issue an Import Type Certificate upon demonstrated compliance with GCAA's requirements and the payment of all fees by the FAA TC holder in accordance with the UAE Government decree.

5. Continued Airworthiness

GCAA and FAA agree to cooperate to provide the continued airworthiness of the aeronautical products specified in this working procedure as follows:

a. Airworthiness Approval.

- 1) FAA acknowledges that GCAA requires that a U.S.-manufactured aircraft must be eligible for a current FAA airworthiness certificate and also comply with any additional GCAA technical requirements in order to receive a GCAA airworthiness certificate.
- 2) Exports of U.S.-manufactured aircraft, engines, and propellers and their spare parts from the United States to UAE will be in accordance with the requirements of 14 CFR Part 21, Subpart L, "Export Airworthiness Approvals," and any special technical requirements provided to FAA by GCAA and published in FAA Advisory Circular 21-2, "Export Airworthiness Approval Procedures."
- 3) FAA and GCAA acknowledge that the civil aviation authority of the State of Registry is responsible for the airworthiness condition of any used U.S.-manufactured aircraft, engines, and propellers exported to UAE from a third country.

b. Airworthiness Directives.

- 1) GCAA will accept an FAA Airworthiness Directive (AD) corrective action as a minimum airworthiness standard for the continued airworthiness of the applicable aeronautical product. GCAA will undertake its activity related to continued airworthiness, including deviations from FAA ADs or issuance of additional ADs, on the basis of discussions with the FAA and the TC holder (as necessary) and a review of actions taken and proposed by these entities.
- 2) FAA will electronically distribute Emergency ADs to the following GCAA official:

Chief of Airworthiness
General Civil Aviation Authority
P.O. Box 30500
United Arab Emirates
Tel: 971 4 2111 500
Fax: 971 4 2820 847

c. Changes In Design.

- 1) FAA will review and approve U.S. manufacturer-initiated changes in design to aeronautical products in accordance with current FAA regulations and policies regarding major and minor design changes.
- 2) The GCAA will accept FAA approval for major and minor changes in design, including Supplemental Type Certificates (STCs).
- 3) In the event that GCAA requires additional data regarding any amended type certificates or major design changes, FAA will assist GCAA as described in paragraph 4b of this working procedure.

d. Accident Investigation. FAA agrees to provide information and technical assistance as necessary in support of accident investigations within the United Arab Emirates involving U.S aeronautical products, subject to availability of resources.

e. Service Difficulty Reporting.

- 1) The GCAA will advise the FAA of any service problems occurring on any aircraft, engine or propeller where the United States is the State of Design and the GCAA believes the problem is a potentially unsafe condition. This information and inquiries regarding continuing airworthiness of U.S. products should be submitted to the geographically responsible ACO,
- 2) FAA will provide information on resolution of service problems only if mandatory action to maintain safety is required through issuance of an FAA AD (see paragraph 5b of this document). Should a significant service problem or incident occur on a UAE

registered and operated aircraft, the FAA will respond to specific questions when directed to the geographically responsible FAA ACO.

f. Miscellaneous

1) The FAA will determine the acceptability of revisions to the applicable specified engine installation manuals (which include the operating instructions) and instructions for continued airworthiness in accordance with current FAA policies and procedures. The GCAA agrees to accept FAA-approved changes to these documents as minimum continued airworthiness standards for the engines. The GCAA agrees to provide the FAA a copy of any additional import requirements regarding these documents.

2) The GCAA will accept the Maintenance Review Board report or the Maintenance Planning Document, resulting from FAA's certification process, as the basis for determining GCAA maintenance requirements.

6. Appendices

Appendix A to this agreement identifies the GCAA and FAA personnel to be contacted regarding this working procedure. Appendix B lists the documents referenced in the agreement.

7. Language

FAA and GCAA agree that all documents and correspondence exchanged under this working procedure shall be in the English language. GCAA will arrange the translation of the document into Arabic at a later date.

FAA AND GCAA CONTACT POINTS**CONTACTS REGARDING THIS WORKING PROCEDURE**GCAA

Mr. Owsy Al Khanjari
Chief Regulation & Investigation
UAE GCAA
PO Box 6558
Abu Dhabi
UAE

Tel: 971-2-405-4449
Fax: 971-2-405-4465
Email: alkhanjari@gcaa.ae

FAA

Ms. Lauren Inman
International Policy Office (AIR-40)
Aircraft Certification Service
800 Independence Avenue, S.W
c/o Wilbur Wright Bldg., Room 600 W
Washington, D.C. 20591

Tel: 202-385-8940
Fax: 202-493-5144
Email: lauren.e.inman@faa.gov

CONTACTS FOR VALIDATION ACTIVITIES:GCAA

Chief of Airworthiness
General Civil Aviation Authority
P.O. Box 30500
United Arab Emirates
Tel: +971 4 2111 500
Fax: +971 4 2820 847

FAA

Applicable FAA Aircraft Certification Office (see following pages)

Atlanta Aircraft Certification Office

ACE-115A
 One Crown Center
 1895 Phoenix Boulevard, Suite 450
 Atlanta, GA 30349

Telephone: 1-770-703-6035
 Fax: 1-770-703-6097

Boston Aircraft Certification Office

ANE-150
 12 New England Executive Park
 Burlington, MA 01803

Telephone: 1-781-238-7150
 Fax: 1-781-238-7199

Chicago Aircraft Certification Office

ACE-115C
 2300 East Devon Avenue
 Room 323
 Des Plaines, IL 60018

Telephone: 1-847-294-7357
 Fax: 1-847-294-7834

Fort Worth Airplane Certification Office

ASW-150
 2601 Meacham Blvd.
 Fort Worth, TX 76137-4298

Telephone: 1-817-222-5150
 Fax: 1-817-222-5960

Fort Worth Special Certification Office

ASW-190
 2601 Meacham Blvd.
 Fort Worth, TX 76137-4298

Telephone: 1-817-222-5189
 Fax: 1-817-222-5136

Anchorage Aircraft Certification Office

ACE-115N
 222 West 8th Avenue,
 Anchorage, AK 99513

Telephone: 1-907-271-2669
 Fax: 1-907-271-6365

Boston Engine Certification Office

ANE-140
 12 New England Executive Park
 Burlington, MA 01803

Telephone: 1-781-238-7140
 Fax: 1-781-238-7199

Denver Aircraft Certification Office

ANM-100D
 Technical Operations Center (TOC)
 26805 E. 68th Avenue, Room 214
 Denver, CO 80249

Telephone: 1-303-342-1080
 Fax: 1-303-342-1088

Fort Worth Rotorcraft Certification Office

ASW-170
 2601 Meacham Blvd.
 Fort Worth, TX 76137-4298

Telephone: 1-817-222-5170
 Fax: 1-817-222-5960

Los Angeles Aircraft Certification Office

ANM-100L
 3960 Paramount Blvd.
 Lakewood, CA 90712

Telephone: 1-562-627-5200
 Fax: 1-562-627-5210

New York Aircraft Certification Office

ANE-170
1600 Stewart Avenue
Suite 410
Westbury, NY 11590
Telephone: 1-516-228-7300
Fax: 1-516-794-5531

Seattle Aircraft Certification Office

ANM-100S
1801 Lind Avenue, SW
Renton, WA 98055-4056
Telephone: 1-425-917-6400
Fax: 1-425-917-6590

Wichita Aircraft Certification Office

ACE-115W
1801 Airport Road
Room 100, Mid-Continent Airport
Wichita, KS 67209
Telephone: 1-316-946-4106
Fax: 1-316-946-4107

LIST OF REFERENCED DOCUMENTSGCAA Referenced Documents

1. United Arab Emirates Civil Aviation Law, Federal Act No.20 (1991)
2. GCAA Information Bulletin 06/2006, *Validation of Foreign Type Certificates*, dated April 18, 2006

FAA Referenced Documents

1. Advisory Circular 21-2, *Export Airworthiness Approval Procedures*

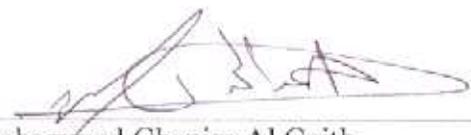


November 3, 2006

The attached working procedure reflects the mutual understanding of the Federal Aviation Administration (FAA) and the United Arab Emirates General Civil Aviation Authority (GCAA) regarding type validation and continued airworthiness support for U.S. aeronautical products. This working procedure defines how the Aircraft Certification Service, FAA and the GCAA will support validation and continued airworthiness of U.S. aeronautical products.

Any further clarifications or amendments to this working procedure will only be made after consultation by both authorities.


John J. Hickey
Director, Aircraft Certification Service
Federal Aviation Administration


Mohammed Ghanim Al Gaith
Director General
General Civil Aviation Authority

*{Signed on behalf of the Director
General by Ahmed Al-Haddabi,
Deputy Director General}*