

PEOPLE'S REPUBLIC OF CHINA - SPECIAL REQUIREMENTS

(Revised – October 20, 2003)

1. INTRODUCTION. In accordance with the U.S./People's Republic of China Bilateral Airworthiness Agreement and the associated Schedule of Implementation Procedures, airworthiness certification of aeronautical products is reciprocally accepted. This document prescribes the special requirements applicable to such products exported from the United States to China, and must be satisfied at the time of export for a particular product.

2. CHINESE AIRWORTHINESS AUTHORITY. The responsibility for controlling flight safety of civil aviation in China is a task of the General Administration of Civil Aviation of China. (Hereinafter referred to as CAAC.) The Aircraft Airworthiness Certification Department (AAD) of CAAC is responsible for certification of civil aviation products.

CAAC-AAD address:

ATTN: Director, Airworthiness Liaison Division
Aircraft Airworthiness Certification Department
General Administration of Civil Aviation of China
#155 Dong Si Street West
Beijing 100710 P.R. China
Fax: (8610) 64033087
Phone: (8610) 64030989

ATTN: Director, Airworthiness Certification Division
Aircraft Airworthiness Certification Department
General Administration of Civil Aviation of China
#155 Dongsu Street West
Beijing 100710 P.R. China
Fax: (8610) 64034516
Phone: (8610) 64034516

CAAC-AAD, Regional Airworthiness Offices:

ATTN: Director, Aircraft Airworthiness Division
North China Administration of CAAC
Beijing Capital Airport
100621 Beijing P.R. China
Fax: (8610) 64596413
Phone: (8610) 64592258

ATTN: Director, Aircraft Airworthiness Division
South and Center Administration of CAAC
Guangzhou Bai Yun Airport
6510406 Guangzhou P.R. China
Fax: (8620) 86686946
Phone: (8620) 86122219

ATTN: Director, Shanghai Aircraft Certification Center
East China Administration of CAAC
Shanghai Hongqiao Airport
200335, Shanghai, P.R. China
Fax: (8621) 62688434
Phone: (8621) 51126113

ATTN: Director, Xian Aircraft Certification Center
Northwest China Administration of CAAC
Laodong Nan Lu Zhong Duan
710082, Xian, P.R. China
Fax: (8629) 4262470
Phone: (8629) 8701073

ATTN: Director, Shenyang Aircraft Certification Center
Northeast China Administration of CAAC
Shenyang Dongta Airport
110043 Shenyang, P.R. China
Fax: (8624) 88294012
Phone: (8624) 88293067

ATTN: Director, Chengdu Aircraft Certification Center
Southwest China Administration of CAAC
Chengdu Shuangliu Airport
601202 Chengdu, P.R. China
Fax: (8628) 85703856
Phone: (8628) 85704824

3. CAAC-AAD VALIDATION OF DESIGN APPROVALS FOR IMPORTED PRODUCTS.

3.1 VALIDATION OF TYPE CERTIFICATE FOR AIRCRAFT, AIRCRAFT ENGINES, AND PROPELLERS.

According to the Civil Aviation Law of the People's Republic of China; Regulations of the Airworthiness of Civil Aircraft of the People's Republic of China; Civil Aviation Products and Parts Certification Requirements, (CCAR-21); and Civil Aviation Products Import Certification Procedures (AP-21-01), the Chinese Validation of a Type Certificate for an import aircraft is a prerequisite to issuance of a Chinese Certificate of Airworthiness. An engine or propeller also should get a Chinese Validation Type Certificate, unless the engine or propeller is not validated as part of the aircraft. The detailed procedures for issuance of Chinese Validation Type Certificate are prescribed in AP-21-01. The following are the general procedures.

3.1.1 Application.

An application form AAC-021 (01/2000) (sample enclosed as attachment 1) shall be completed by the U.S. manufacturer of the concerned aircraft, aircraft engine, or propeller, and forwarded to the Aircraft Certification Division of the CAAC-AAD through the FAA aircraft certification office in which the applicant is located. The following documents must also be provided to permit the CAAC-AAD to become acquainted with the type design.

- (a) A general description of the design features and basic specification of the product. For aircraft, a three-view drawing should be included. For engines, operating characteristics and operating limitations should be included. For propellers, operating principles and operating limitations should be included. If the product is a derivative of a model already validated by CAAC, a description of the design difference between the two products should be provided.
- (b) A copy of the FAA type certificate and type certificate data sheet for the aircraft, aircraft engine, or propeller.
- (c) A copy of all FAA special conditions, equivalent safety items and exemptions from the airworthiness or noise requirements.
- (d) A compliance checklist with the certification basis indicating for each item of the requirement how it was complied with (by test, analysis, calculation, design provision, flight test, etc.), and the title and number of the corresponding substantiation document (report, drawing, specification, etc.).
- (e) Any other material deemed necessary by CAAC-AAD should be available.

3.1.2 Acceptance of Application.

CAAC-AAD will issue a Notification of Acceptance for Application after the application is accepted. The airworthiness examining fee is stated in the Notification and should be paid. CAAC-AAD will establish a project team to do the certification work.

3.1.3 Initial Familiarization Meeting.

The U.S. applicant, with the assistance of the FAA, may be required to arrange a familiarization meeting with the CAAC-AAD.

3.1.4 Certification.

- (a) The project team will establish a type validation basis based on the FAA certification basis and the Chinese requirements and special conditions for acceptance of the aircraft type, and will perform an engineering review in the U.S. through meetings with the aircraft manufacturer and FAA representatives.
- (b) In addition to on-site engineering review, the project team may notify the FAA that they would like to review the Manufacturer's quality assurance system, if it is necessary.

(c) After finishing the on-site review, the project team should sign final validation meeting minutes with the applicant and the FAA, which would at least cover the following information:

1. Purpose, location and date of meeting;
2. Name of all the attendees;
3. The CAAC validation basis, and the compliance checklist for the difference from the FAA certification basis if applicable;
4. Main points of the validation activities accomplished at the applicant's facilities;
5. Certification review items;
6. Action Items;
7. A draft validation data sheet;
8. List of the data to be provided to CAAC by the applicant, and the mailing address of the receiver; and
9. A determination of Post Validation Type Certificate activities.

(d) The documents to be provided to the CAAC-AAD project team will include, but are not limited to, the following applicable data:

1. Substantiating data required by the project team (e.g. design data, technical specifications, analysis and computation reports, test programs and reports, flight test programs and reports, etc.);
2. FAA approved Aircraft Flight Manual (AFM) or equivalent;
3. FAA approved Master minimum Equipment List (MMEL) or equivalent;
4. FAA approved Configuration Deviation List (CDL) or equivalent;
5. Continued airworthiness documents such as maintenance program, Certification Maintenance Requirements (CMR), and Airworthiness Limitation Document (ALD), etc.;
6. All Airworthiness Directives issued by FAA for the product being validated;
7. A list of all Service Bulletins or equivalent documents related to the product being validated;
8. Maintenance Manual (MM); and
9. Structural Repair Manual (SRM) and Supplemental Structure Inspection Documents (SSID); and

10. Operating Manual and Installation Manual for engines and propellers.

3.1.5 Noise Requirements.

The U.S. manufacturer who applies for an import Type Validation Certificate of a new type of aircraft shall comply with the noise requirements of the Chinese Civil Aviation Regulation Part 36.

3.1.6 Fuel Venting and Exhaust Emission Requirements.

The U.S. manufacturer who applies for an import Type Validation Certificate of a turbine engine powered aircraft and its engines shall comply with the fuel venting and exhaust emission requirements of the Chinese Civil Aviation Regulation, Part 34.

3.2 VALIDATION OF SUPPLEMENTAL TYPE CERTIFICATE (VSTC) FOR AIRCRAFT.

An FAA STC intended for incorporation on a Chinese-registered aircraft or on an aeronautical product that is installed on a Chinese-registered aircraft requires validation by the CAAC-AAD. The procedures for application of a VSTC and the engineering and documentation requirements are similar to paragraph 3 above, adjusted for the complexity of the project.

3.3. VALIDATION OF CLASS II PRODUCTS APPROVED UNDER AN FAA TECHNICAL STANDARD ORDER (TSO) THAT ARE NOT VALIDATED AS PART OF THE AIRCRAFT.

(a) An application form AAC-020 (5/95) shall be completed by the U.S. manufacturer of the concerned TSO appliance and forwarded to the CAAC-AAD through the FAA, together with the following documents:

1. Sufficient technical data to describe the TSO appliance and its intended utilization;
2. Copy of the FAA TSO approval and the certification basis including the adopted technical standard or specification;
3. Statement of Compliance with the certification basis including a list (by title and number) of the substantiation reports developed for FAA certification;
4. The published documents such as: Maintenance and Overhaul manuals, Parts Catalog, Service Bulletins, etc., may also be required, if available.

(b) After reviewing the above documents, the CAA-AAD will issue a Notification of Acceptance for Application after the application is accepted. The airworthiness examining fee is stated in the Notification and should be paid. CAAC-AAD will establish a project team to do the certification work.

- (c) The project team will advise the applicant by letter of any additional Chinese requirements or special conditions, and make, if necessary, any on-site engineering review.
- (d) A Validation of Design Approval will be issued by CAAC upon compliance with the requirements established in paragraph (a) and (b) above.

NOTE: Unless the TSO appliance has received CAAC installation approval, no above appliance can be installed on Chinese Registered aircraft.

3.4 APPROVAL OF OTHER CLASS II AND CLASS III PRODUCTS NOT APPROVED AS PART OF THE AIRCRAFT.

- (a) The U.S. manufacturer of such Class II and Class III products may be required to supply information and documentation necessary to justify its installation on a Class I product for which CAAC-AAD certification is sought.
- (b) The CAAC-AAD approval of such products will be granted by the issuance of the Chinese Type Validation Certificate or Type Certificate for the Class I product on which they are installed.
- (c) Statement of compliance with all relevant Airworthiness Directives is required.

4. CAAC-AAD ACCEPTANCE OF AERONAUTICAL PRODUCTS FOR IMPORT

4.1 CLASS I PRODUCTS

4.1.1 New Aircraft

The following documents are required at time of import for obtaining a Chinese Certificate of Airworthiness:

- (a) FAA Form 8130-4, Export Certificate of Airworthiness, for the aircraft, aircraft engines, and propellers.
- (b) A statement of non-registration or de-registration for the aircraft, as applicable.
- (c) A list of all incorporated Supplemental Type Certificates for approved major modifications.
- (d) Statement of design difference compared with the model already validated by CAAC.
- (e) Aircraft configuration documents which detail customer options incorporated, seating configuration (pilot, crew member, passenger and special arrangement), etc.
- (f) A list of applicable and incorporated FAA Airworthiness Directives, to include:
 - 1. A declaration of compliance with all Airworthiness Directives issued by FAA must be provided, and where optional means of compliance are offered, the means chosen shall be stated; and

2. FAA Airworthiness Directives containing repetitive compliance requirements must be identified. Information as to when the next compliance is due must also be provided.
- (g) Production flight test reports (new aircraft only), if available.
 - (h) A copy of significant Material Review Board records or significant deviation records (new aircraft only), if available.
 - (i) A current Weight and Balance report.
 - (j) A copy of Noise Certificate.
 - (k) Records of the most recent compass system test and magnetic compass swing.
 - (l) A list of all incorporated Service Bulletins.
 - (m) Equipment List (type design).
 - (n) Flight Data Recorder/Cockpit Voice Recorder type and data format records and interpretation reports.
 - (o) Identification of all time/life limited items.
 - (p) An Emergency and Life saving Equipment List (operating requirement).

4.1.2 Used Aircraft.

In addition to the requirements in 4.1.1, the following is also required for used aircraft:

- (a) A complete history of U.S. registration for the aircraft, if available.
- (b) Historical records, logbooks, or equivalent of the aircraft, engines, propellers, components and equipment including, as applicable:
 1. The number of landings and pressurization cycles where the aircraft is subject to mandatory life limitations.
 2. The maintenance program to which the aircraft has previously been maintained, including previous check cycle and future check cycle.
 3. The flight time since new of any components of the aircraft, engines, propellers, or equipment which are subject to mandatory life limitations.
 4. The flight time since new of any components of the aircraft, engines, propellers, or equipment which are subject to an approved overhaul period.
 5. Details of all changes of major structural components such as wings, tail planes, helicopter rotors or transmission components, and histories of all replaced components.
 6. Details of major structural repairs including the nature of damage in each case.

4.1.3 Language

- (a) The required markings and placards in the passenger cabin, in the cargo, baggage or stowage compartments, and on the aircraft exterior, shall be presented in Chinese or bilingual (Chinese and English) form.
- (b) The Aircraft Flight Manual shall be identified as a Chinese Aircraft Flight Manual and shall include a statement regarding its applicability to Chinese registered aircraft.

4.1.4 Aircraft Engines and Propellers (not installed on the aircraft).

For each new or used engine or propeller not installed on an aircraft, the following documents must be presented at the time of import:

- (a) An FAA Form 8130-4, Export Certificate of Airworthiness.
- (b) A list of all incorporated Supplemental Type Certificates for approved major modifications.
- (c) A list of applicable and incorporated FAA Airworthiness Directives, to include:
 - 1. A declaration of compliance with all Airworthiness Directives issued by FAA must be provided, and where optional means of compliance are offered, the means chosen shall be stated; and
 - 2. FAA Airworthiness Directives containing repetitive compliance requirements must be identified. Information as to when the next compliance is due must also be provided.
- (d) A list of all incorporated Service Bulletins.
- (e) Identification of all time/life limited items.
- (f) Maintenance records, as applicable.

4.2 CLASS II AND III PRODUCTS.

Each Class II or Class III product shall be exported to China with an FAA airworthiness approval tag (FAA Form 8130-3) in accordance with 14 CFR part 21, Subpart L.

5. CONTINUING AIRWORTHINESS. The FAA, with support of the U.S. manufacturer of a product which has received CAAC-AAD Type Design approval, shall be responsible for informing the CAAC-AAD of all relevant information regarding the continuous airworthiness of the product in China. This shall include prompt communication to CAAC-AAD of all information regarding hazardous service difficulties, corresponding design corrections, proposed operational precautions and limitations.

6. REQUIREMENT FOR U.S. REPAIRED PARTS.

(a) Any U.S. maintenance organizations performing maintenance work on a civil aircraft registered in the P.R. China and/or parts must apply for a Maintenance Organization Certificate from the CAAC.

(b) The “Airworthiness Approval Tag” (CAAC Form AAC-038) should be issued to the aircraft and/or parts after maintenance for return to service.

PEOPLE'S REPUBLIC OF CHINA ATTACHMENT 1
GENERAL ADMINISTRATION OF CIVIL AVIATION OF CHINA

APPLICATION
FOR VALIDATION OF TYPE CERTIFICATE
OF CIVIL AVIATION PRODUCT

1. Name of applicant _____

2. Address of applicant _____

3. Purpose of this application:

- Type certificate Type approval
- Supplemental type certificate Supplemental type approval

4. For type certificate/approval complete the following items:

Model designation applied for _____

Attachments (Note: Please fill in the appropriate with X):

- Description of design feature and basic data
- A copy of Type Certificate (TC) as issued by the exporting authority
- A copy of TC Data Sheet as issued by the exporting authority
- A copy of environmental approval as issued by the exporting authority
- A copy of Production Certificate (including limitation records) as issued by the exporting authority
- A copy of certification basis for the type design and design changes
- Copies of all certification meeting minutes as established by the exporting authority
- Copies of all Issue Papers as established by the exporting authority
- A copy of Compliance Checklist or equivalent

- A three-view drawing for aircraft
- Description of operating characteristics and Operation limitations for engine
- Description of operation principles and operation limitations for propeller
- Any other necessary data requested by the CAAC

AAC-021(01/2000)

See REVERSE SIDE

GENERAL ADMINISTRATION OF CIVIL AVIATION OF CHINA

5. For supplemental type certificate/approval, complete the following items:

Model designation of product to be modified _____

Description of type design change _____

Attachments (Note: Please fill in the appropriate with X)

- A copy of Supplemental Type Certificate (STC) as issued by the exporting authority
- A copy of relevant production approval as issued by the exporting authority
- A copy of environmental approval as issued by the exporting authority
- A copy of certification basis for the type design changes
- Copies of all Issue Papers as established by the exporting authority
- A copy of Compliance Checklist or equivalent
- A copy of Master Drawing List (MDL) and all data listed or equivalent
- Any other necessary data requested by the CAAC

6. The point of the contact:

Name _____ Title _____

Telephone _____

E-mail _____

7. I certify that the statement of this application and attachments furnished herein are correct and without error.

Name (signature) _____ Organization _____

Title _____ Date _____

AAC-021 (01/2000)

REVERSE SIDE

PEOPLE'S REPUBLIC OF CHINA ATTACHMENT 1 (Continued)

GENERAL ADMINISTRATION OF CIVIL AVIATION OF CHINA

APPLICATION

FOR VALIDATION OF DESIGN APPROVAL

OF CIVIL AVIATION PRODUCT

1. Name of applicant _____

2. Address of applicant _____

3. Name of the article for application _____

4. The applicant for validation of design approval should complete the following items:

(1) Model of material, part or appliance _____

(2) Type of aircraft on which material, part or appliance is to be installed _____

(3) The applicant shall submit the documents prescribed in CCAR 21.90.

5. I certify that the statement of this application and attachments furnished herein are correct and without error.

Name (signature)_____ Organization_____

Title_____ Date_____

AAC-020 (5/95)