

JORDAN – SPECIAL REQUIREMENTS

FEBRUARY 2015

I. Acceptance of Aircraft

1. General

In accordance with JCAR 21.29; CARC will accept the type certificate of an aircraft on the basis of satisfactory evidence that an aircraft complies with requirements which are at least equal to the applicable airworthiness and environmental requirements specified in JCAR Part Certification Specifications. A CARC Type Acceptance Certificate (TAC) may be issued for that aircraft, when CARC find that:

- The State of Design certifies that the aircraft has been examined, tested, and found to meet:
 - a) The applicable aircraft noise, fuel venting and exhaust emissions requirements,
 - b) The applicable airworthiness requirements, and
 - c) Any other requirements prescribed by CARC.
- The Type Certificate Holder (the applicant for Type Acceptance Certificate (TAC)) has submitted the technical data, concerning aircraft airworthiness and noise to the CARC,
- The manuals, placards, listings, and instrument markings required by the applicable airworthiness and environmental requirements are presented, at least, in the English language, and
- ‘Passenger information Markings Placards’ and ‘Emergency Personal Information Markings Placards’ are presented in English language and in Arabic translations;

In accordance with article (37) (d) of the Jordanian Civil Aviation Law No. 41 of 2007, as amended, every aircraft registered in Jordan Civil Aircraft register shall be provided with a valid Certificate of Airworthiness issued by CARC. The Certificate of Airworthiness is issued on the basis of satisfactory evidence that the aircraft complies with the design aspects of the appropriate airworthiness and environmental requirements.

For an imported aircraft, a Type Acceptance Certificate issued by CARC on the basis of the original issuance of an aircraft Type Certificate by the State of Design, which is regarded as satisfactory evidence that the aircraft complies with the design aspects of the appropriate airworthiness requirements of the State of Design.

2. Procedures:

2.1 Aircraft first of type to be certified by CARC.

The bases for the issuance of a Certificate of Airworthiness for the First of Type U.S. State of design aircraft to be imported into Jordan are the following:

- The aircraft has been issued a type acceptance certificate in accordance with CARC applicable procedures and guidance.
- The application package for the type acceptance certificate consists of documentations specified in table A and submitted to CARC on the following contact details:

CEO/Chief Commissioner
Jordan Civil Aviation Regulatory Commission (CARC)
Amman Civil Airport/Marka
P.O. Box 7547
Amman 11110
Jordan
Fax: 00 962 6 4892459

- The Type Certificate Holder (TCH) delivery of a technical briefing to CARC on all aspects of the design, to fully understand the design, including new technologies, and any unique or unconventional features or intended unconventional use.
- When a type acceptance certificate is issued, and CARC receive application for a Certificate of Airworthiness, the documentation specified in table B, for each individual aircraft, must be presented to CARC.
- Access must be allowed for CARC records review and physical survey of the aircraft.

Table A

No.	Documentation/ Publication	Description
1.	A formal application letter from the type certificate holder	
2.	A completed application form for type acceptance "CARC Form 18-0253"	
3.	The type certificate and the associated type certificate data sheet	
4.	A statement identifying airworthiness	

	standards and environmental protection requirements to which the aircraft was designed and to which the compliance was shown	
5	Type design definition	<ul style="list-style-type: none"> i. Listing of drawings and specifications, necessary to define the configuration and the design features of the product, ii. Information on materials and processes and on methods of manufacture and assembly, iii. Airworthiness limitations section of the instructions for continued airworthiness, iv. Other data necessary to allow by comparison, the determination of the airworthiness, the characteristics of noise, fuel venting, and exhaust emissions.
6	List and details of issued Special Conditions, Exemptions and Equivalent Level of Safety Findings	
7	Aircraft Flight Manual	
8	Maintenance Review Board Report	
9	Maintenance Planning Document	
10	Maintenance Manual and Illustrated Part Catalogue (IPC)	
11	Overhaul Manual	
12	Structure Repair Manual	
13	Non-Destructive Testing (NDT) Manual	
14	Service Life & Time Limits Manual	Unless data is contained in another publication
15	Wiring Diagrams Manual	
16	Electrical Load Analysis Report	
17	Antenna Performance Patterns Report	
18	Noise Certificate	Including noise data, unless published in Flight Manual.

2.2 “New Aircraft” of a type accepted by CARC.

The bases for the issuance of a Certificate of Airworthiness for a new U.S. State of design aircraft, to be imported into Jordan, of a type that has been issued a type acceptance certificate by CARC are the following:

- Submitting application for a Certificate of Airworthiness to CARC.
- Presenting to CARC the documentation specified in table B.

- Making the aircraft and its records available for CARC survey and review.

Table B

No.	Documentation/ Publication	Description
1	Application for Certificate of Airworthiness	
2	Registration of Aircraft	The aircraft must meet the registration requirements of Jordan
3	Export Certificate of Airworthiness	Aircraft from the U.S. will be issued an FAA Form 8130-4
4	Copy of Type Certificate Data Sheet (TCDS)	State of Design TCDS
5	Statement of Build Standard	(i) Master Change List (ii) Production Revision Record (iii) Service Bulletin Standard Note: Only changes to (i) & (ii) need to be declared for series aircraft.
6	Flight Test Report	A copy of manufacturer's Flight Test completion declaration.
7	Letter of Definition / Letter of Conformity	A statement that the aircraft has been ground and flight checked, found in conformity to the approved design data and is in condition for safe operation.
8	Compass Check Certificate	Deviation cards installed
9	Statement of Compliance with Airworthiness Directives (ADs)	ADs issued by the State of Design. Alternative Means of Compliance approved by State of Design must be declared.
10	Certification Maintenance Requirements (CMR)	CMR status and compliance, as applicable to aircraft type.
11	Aircraft / Engine / Propeller/ APU Log Books	
12	Aircraft Flight Manual / Pilots Operating Manual/MMEL	
13	Weight and Balance Manual	
14	Weighing Report	Individual aircraft weighing record.
15	List of Manufacturing Concessions/ Deviations	
16	Compliance documentations and declaration of compliance with the applicable operational requirements. e.g. OPS 1, Subparts K, L and S.	For Commercial Operations, compliance with; (i) JCAR OPS 1, Subparts K, L and S (CARC form 18-0315) for individual aircraft, (ii) Maintenance Program based on manufacturer's recommendation and planning data, (iii) MEL development requirements based

		on the State of Design approved MMEL. (iv)Etc.
17	Cabin Configuration Control	Copy of configuration drawing (LOPA).
18	Revision to Electrical Load Analysis	Copy of any changes to document required by Table A.
19	Radio Equipment List	
20	Software Criticality List	Class 1, 2 & 3 Software declaration
21	Transponder Mode 'S' Code programme	Declaration of Mode 'S' code
22	ELT Code programme	Declaration of ELT code (406Mhz)
23	SELCAL Code	Declaration of SELCAL code
24	FDR /CVR Compliance Statement	(i) FDR Data Frame Layout Document. (ii) CVR recording performance.
25	List of Derogations, Waivers and Exemptions from the Type Certificate.	
26	List of Placards and Markings	Placards, if not pictorial, intended for passengers guidance on information needed or in case of emergency, shall be bilingual (English and Arabic).
27	Statement(s) of aircraft qualification(s) for special operations, e.g. ETOPS, MNPS, RVSM, CATII, CATIII, RNP/RNAV, EFB, ...etc.	

2.3 "Used Aircraft" of a type previously certified by CARC.

The bases for the issuance of a Certificate of Airworthiness for a used U.S. State of design aircraft, to be imported into Jordan, of a type that has been issued a type acceptance certificate by CARC are the following:

- Submitting application for a Certificate of Airworthiness to CARC.
- Presenting to CARC the documentations specified in tables B and C.
- Have all maintenance as requested by the continuing airworthiness management organization carried out.
- Making the aircraft and its records available for CARC survey and review.
- Have any additional maintenance as may be requested by the CARC carried out.

Table C

No	Documentation/ Publication	Description
1	Airworthiness Review Report and Airworthiness Review Recommendation	Report shall include the current compliance status of items listed in TABLE D. Accordingly, the applicant makes an Airworthiness Recommendation as

		illustrated in TABLE E.
2	Aircraft/Engine/Propeller Records	Records containing total time in service, and status of life limited parts. Time since last overhaul and current inspection status.
3	Component Overhaul/Life Limit Status	Details of service life remaining and modification status.
4	Previous Maintenance Records	Work Packs and Log Books.
5	Previous Maintenance Program	Previous inspection/check periods, hours, cycles calendar time.
6	Modification Status Report	Modifications previously embodied by Owner(s) / Operator(s), including approval status.
7	Copy of each Supplemental Type Certificate (STC) embodied on the aircraft/engines/and or propeller	<p>Applicant must establish acceptance of each STC;</p> <ul style="list-style-type: none"> • FAA data approval, • The written consent of the design approval holder to use the data, • Description of the design basic data, characteristics and performance, • Identification of the applicable airworthiness and environmental requirements, • The classification of the change, • The approved compliance checklist and the declaration of compliance with the applicable airworthiness and environmental requirements, • Continuing airworthiness
8	Repair Records	Repairs previously embodied by Owner(s) / Operator(s), including approval status (e.g. FAA Form 8110-3 reports).

Table D

A	Documents review
1	Continuing airworthiness record
2	Operator's technical log system
3	Deferred defects, minimum equipment list and configuration deviation list (<i>as applicable</i>)
4	Aircraft flight manual including aircraft configuration
5	Aircraft Maintenance program
6	Aircraft Maintenance Data
7	Relevant work packages
8	AD status
9	Modification and SB status

10	Modification and repair approvals
11	List of service life limited component
12	Airworthiness Approval Tag (FAA form 8130-3 ... etc.)
13	Mass and balance report and equipment list
14	Aircraft, engine and propeller Type Certificate Data Sheets
B	Physical Survey
15	All required markings and placards are properly installed
16	The aircraft complies with its approved flight manual
17	The aircraft configuration complies with the approved documentation
18	No evident defect can be found that has not been addressed
19	No inconsistencies can be found between the aircraft and the documented review of records
20	In addition, the physical survey may include, as applicable: <ul style="list-style-type: none"> • Maintenance actions, e.g. operational tests, tests of emergency equipment, visual inspections requiring panel opening etc. • Verifications checks during flight

Table E

This is to confirm that the aircraft in its current configuration complies with the following airworthiness requirements and I hereby recommend issuing the Airworthiness Review Certificate (ARC);		
No.	Item	Reference of the data used in establishing compliance
1	Airworthiness directives up to the latest published issue	<i>e.g. Large Aircraft bi-weekly 2012-06</i>
2	Type certificate datasheet	<i>e.g. FAA A3EU Rev. 39</i>
3	Maintenance program	<i>Provide CARC Approval ref.</i>
4	Component service life limitations	<i>e.g. Doc. XXXXX</i>
5	Weight and centre of gravity schedule reflecting the current configuration of the aircraft	<i>e.g. Report no. xxx</i>
6	All modifications and repairs iaw Part 21. <i>(Note: CARC accepts modifications and repairs iaw U.S. State of design applicable requirements, e.g. FAR21 and FAR43, in accordance with section III of these import requirements).</i>	
7	Current aircraft flight manual including supplements	
8	The applicable operational requirements	<i>Specify</i>
Applicant Airworthiness Review Staff (ARS) Name:		
ARS Signature (and Stamp, as applicable):		
Date:		

II. Acceptance of Engines and Propellers

CARC accepts engines and propellers, when they are of a types installed on aircraft type accepted or type approved in Jordan. Engines and propellers imported into Jordan shall have the following documentations:

1. FAA Export Airworthiness Approval,
2. Engine/Propeller Records; Records containing total time in service, and status of life limited parts, time since last overhaul and current inspection status.
3. Component Overhaul/Life Limit Status; details of service life remaining and modification status.
4. Previous Maintenance Records; Work Packs and Log Books.
5. Previous Maintenance Program; previous inspection/check periods, hours, cycles and calendar time.
6. Modification Status Report; modifications previously embodied by Owner(s) / Operator(s), including approval status.
7. Repair Records; repairs previously embodied by Owner(s) / Operator(s), including approval status (e.g. FAA Form 8110-3 reports).

III. Acceptance of data for changes and repairs

CARC accepts the FAA approved changes, STCs and Repairs for U.S. State of Design products according to following criteria:

1. **Direct acceptance:** Readily available data and related instructions of a U.S. TCH/TACH holder of Aircraft Type Accepted in Jordan such as service bulletins, structural repair manuals, vendor manuals, and overhaul and maintenance manuals that are FAA approved or accepted, as appropriate, are directly accepted by CARC,
2. Acceptance of TCH/or TACH other than readily available data for Changes or Repairs;

2.1 TC/TCDS Amendments:

Changes to Type Certificates, which require amendment of the TC and/or the associated TCDS, including changes to the documented certification basis needs CARC notification for acceptance. The TCH/or TACH notifies CARC of the change and submits the following in support of its letter:

- The details of the change,
- The means of compliance,
- The declaration of compliance, and
- The amended TC/or TCDS,

- Other data that maybe requested by CARC after the review of the change details.

2.2 Repair actions (either interim or permanent) that specifically require designing a repair scheme and data;

The TCH/or TACH repair data is accepted according to TCH procedures, the repair data must first be approved by the FAA or through a system approved by the FAA. The repair classification, scheme, installation instructions, ICA, supplements (as applicable) and the approval form/or document (e.g. FAA form 8110-3) are submitted to CARC for acceptance.

All repairs must be classified as major or minor according to the classification criteria established by the TCH/TACH. The criteria shall at least be equivalent to the criteria defined in JCAR 21.453 and set in item 2.3 below.

2.3 Changes and repairs developed by an organization other than the TCH;

Data for changes (including STCs) and/or repairs of this category need CARC acceptance before installation on aircraft in accordance with the procedures established by CARC. The application package for the acceptance shall include the following:

- The FAA data approval or the approval issued by an organization through a system approved by the FAA for that organization including all details (e.g. STC package, Repair approval, etc., the master data/drawing list, the instructions for installation/repair, instruction for testing, the affected publications supplements, the weight and balance report, the electrical load analysis, ...etc.),
- The written consent of the organization (the design approval holder) to use data on the affected aircraft (Jordanian Registered), other product, part or appliance,
- Description of the design basic data, characteristics and performance,
- Identification of the applicable airworthiness and environmental requirements,
- A document showing the classification of the change/or repair and the criteria used for the classification. The criteria shall at least be equivalent to the criteria set here below as defined in JCAR 21.93/or 21.453, as applicable,
 - Does it have appreciable effect on mass?
 - Does it have appreciable effect on Balance?
 - Does it have appreciable effect on structural strength?
 - Does it have appreciable effect on reliability?

- Does it have appreciable effect on operational characteristics, noise, fuel venting, exhaust emission, or other characteristics affecting the airworthiness of the product?

If any answer to any of the above questions is “**Yes**” then the classification is “**Major**”. If all answers are “**No**” then we go by the following:

- Does it require adjustment of the certification basis?
- Does it imply new interpretation of the requirements used for Type Certification basis?
- Does it need ‘aspects of compliance demonstration’ not previously accepted?
- What are the extent of the new substantiation data and the degree of required reassessment and reevaluation?
- Does it alter the approved limitations?
- Is it mandated by an AD, or is it a terminating action of an AD?
- Does it introduce or affect function where failure condition is catastrophic or hazardous?

If any answer to any of the above questions is “**Yes**” then the classification is “**Major**”. If all answers are “**No**” then the classification is “**Minor**”

- The approved compliance checklist and the declaration of compliance with the applicable airworthiness and environmental requirements.

2.4 Changes or repairs already installed on an aircraft, other product, part or appliance to be imported into Jordan:

- CARC acceptance of these changes or repairs will be based on a case by case evaluation during the survey of the aircraft compliance with the registration and the Certificate of Airworthiness requirements, and
- In general, changes or repairs approved by the FAA or by the TCH/TACH (or other design approval holder) through a system approved by the FAA for that organization, and these changes or repairs still maintain their approval conditions are accepted by CARC.

IV. Acceptance of Parts and appliances;

1. The eligible parts and appliances to be installed on a type certificated/type accepted products in Jordan are those identified in the:

- a) Applicable type certificate data, Change to type certificate data and Supplemental Type Certificate data,
- b) Technical Standard Order (TSO) Authorization data,

- c) Officially recognized standards, in the case of standards parts.

And,

- a) Accompanied by an authorized release certificate CARC/AIRAW Form 18-0227/ or its equivalent (FAA Form 8130-3), certifying airworthiness; and
 - b) Marked in accordance with CARC Part 21, Subpart Q.
2. CARC accepts US parts or appliances imported into Jordan if;
- a) The part or appliance was found to meet the requirements in item (1) and AMC & GM to Part-M/Subpart-E,
 - b) The part or appliance has been issued an FAA Form 8130-3 by Part 21 organization when the part or appliance is new, or by an appropriately accepted CARC maintenance organization for a used part or appliance,
 - c) For parts manufactured in the U.S under an FAA PMA; CARC accepts U.S. FAA PMA parts when they meet CARC policy for the PMA parts set here below as defined in CARC letter circular no. 18/ADMIN/CARC/4693 dated 10/10/2010.

CARC accepts Parts designed under the PMA system of the FAA, provided that:

- The PMA part is not a “critical component”.

A "critical component" is a part identified as critical by the design approval holder during the validation process, or otherwise by the exporting authority. Typically, such components include parts for which a replacement time, inspection interval, or related procedure is specified in the Airworthiness Limitations section or certification maintenance requirements of the manufacturer’s maintenance manual or Instructions for Continued Airworthiness.

The statement “This PMA part is not a critical component” should be written in the Remarks section of the FAA Form 8130-3;

OR

- The PMA part conforms to design data obtained under a licensing agreement from the holder of the FAA design approval according to 14 CFR § 21.303(c)(4) of the Federal Aviation Regulations. The statement “Produced under licensing agreement from the FAA design approval holder” should be written in the Remarks section of FAA Form 8130-3;

OR

- The PMA holder can show that the part has received an explicit FAA approval by means of a design change or FAA STC accepted by CARC. The reference to this authorization should be written in the Remarks section of the FAA Form 8130-3.

List of Acronyms

AD:	Airworthiness Directive
AMC:	Acceptable Means of Compliance
ARS:	Airworthiness Review Staff
CARC:	Jordan Civil Aviation Regulatory Commission
GM:	Guidance Material
IPC:	Illustrated Part Catalogue
LOPA:	Layout of Passengers Seat Arrangement “Cabin Configuration Drawing”
MEL:	Minimum Equipment List
NDT:	Non-Destructive Testing
FAA:	Federal Aviation Administration
PMA:	Part Manufacturer Approval
SB:	Service Bulletin
STC:	Supplemental Type Certificate
TAC:	Type Acceptance Certificate
TACH	TAC Holder
TC:	Type Certificate
TCH:	TC Holder
TCDS:	Type Certificate Data Sheet
TSO:	Technical Standard Order