

In the name of God



Islamic Republic of Iran
Civil Aviation Authority

Design Organization Approval Certificate

Number: IR.21J.27

Pursuant to the Civil Aviation Regulation of the Islamic Republic of Iran for the time being in force and subject to the conditions specified below, CAA IRI hereby certifies

SERVO HYDRAULIC POUYA

Iranian Research Organization for Science and Technology (IROST) Shahid Ehsani Rad St., Enqelab St., Parsa Sq., Ahmadabad Mostoufi Rd., Azadegan Highway, Tehran, Iran

as a

DESIGN ORGANISATION

approved according to CAA IRI Part 21, Section A, Subpart J

CONDITIONS:

- 1- The approval is limited to that specified in the enclosed Terms of Approval, and
- 2- This approval requires compliance with the procedures specified in the Design Organization Handbook, Ref. "DOA99MN01" in the latest revision, and
- 3- This approval is valid whilst the approved Design Organization remains in compliance with the latest revision of CAA IRI PART 21, Section A, Subpart J.
- 4- Subject to compliance with the foregoing conditions, this approval shall remain valid until any specified date of expiry unless the approval has previously been surrendered, suspended or revoked.

Date of original issue: 11 Dec 2021

Date of this issue: 11 Feb 2024

Date of expiry: 10 Feb 2025

Signature

Mohammad Shahbazi
Vice President for Flight Standards

Stamp





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Terms of Approval
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1. Scope of work

The holder of the Design Organization Approval is entitled to design in accordance with the applicable type certification basis, operational suitability data certification basis and environmental protection requirements as defined in Annex A of this approval.

2. Privileges

- (a) (Reserved)
- (b) (Reserved)
- (c) The holder of a design organization approval shall be entitled, within the scope of this terms of approval and under the relevant procedures of the design assurance system:
 - 1. to classify changes to a type-certificate or to a supplemental type-certificate and repair designs as “major” or “minor”;
 - 2. to approve minor changes to a type-certificate or to a supplemental type-certificate and minor repair designs;
 - 3. [Not applicable];
 - 4. [Not applicable];
 - 5. [Not applicable];
 - 6. [Not applicable];
 - 7. [Not applicable];
 - 8. [Not applicable];
 - 9. [Not applicable].

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3. Obligations

The holder of a design organization approval shall, within the scope of this terms of approval:

- (a) maintain the handbook required under point 21.A.243 in conformity with the design assurance system;
- (b) ensure that this handbook or the relevant procedures included by cross-reference are used as a basic working document within the organization;
- (c) determine that the design of the products, or of the changes or repairs thereto, complies with the applicable type-certification basis, operational suitability data certification basis, and the environmental protection requirements, and have no unsafe features;
- (d) provide the CAA IRI with statements and associated documentation confirming compliance with point (c), except for approval processes carried out in accordance with point 21.A.263(c);
- (e) provide to the CAA IRI data and information related to the actions required under point 21.A.3B;
- (f) [Not applicable];
- (g) [Not applicable];
- (h) designate data and information issued under the authority of the approved design organisation within the scope of its terms of approval as established by the CAA IRI with the following statement: **The technical content of this document is approved under the authority of the DO ref.IRI.21J.27.**

4. List of products

[Not applicable]

5. Limitations

Limitations common to all products and activities

- Development of Operational Suitability Data constituents are excluded.
- Design activities requiring flight testing are conditional to obtain CAA IRI permeation.
- Design activities that have an appreciable impact on product's environmental characteristics (noise, emissions) are excluded.

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Annex A
Scope of work

	TC	STC	Major Changes	Minor Changes	Major Repairs	Minor Repairs	Flight conditions	Permit to Fly
Product Type: Turbine Engine								
Propulsion (LF507)								
EGT Thermocouple Harness		■		■		■		
Main Fuel Pump Shaft		■		■		■		
Propulsion (V2500)								
Fuel Nozzle		■		■		■		

Legend

	Title for category of product
	Title for design scope
	Title for design area

	Within scope
	Outside scope

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STC

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Supplemental Type Certificate

Number: **IRI.21E.91**

Pursuant to the rules and regulations of the I.R.Iran (CAA IRI Part 21, Section A, Subpart E) for the time being in force and subject to the conditions specified below, this Approval issued to

SERVO HYDRAULIC POUYA

Iranian Research Organization for Science and Technology (IROST) Shahid Ehsani Rad St., Enqelab St., Parsa Sq., Ahmadabad Mostoufi Rd., Azadegan Highway, Tehran, Iran

IRI.21J.27

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and, if applicable, environmental protection requirements when operated within the conditions and limitations specified below:

Type Certificate Number: FAA TCDS No. E6NE

Type Certificate Holder: CFS AEROPRODUCTS INC.

Model: LF 507- 1F ENGINE

Description of Design Change:

Installation and Modification of the main fuel pump shaft (P/N: IPA-SHP-114545-1) of hydro-mechanical assembly (HMA) of LF 507 engine (Textron Lycoming) in AVRO 146-RJ series airplanes.

Certification Basis:

The Type and OSD Certification Basis for this approval is EASA CS E Amendments 07, Dec. 2023. The requirements for environment protection and the associated certified noise and / or emissions levels of the product are unchanged and remain applicable to this certificate without any impact on the noise database.

See Continuation Sheet(s)

Date of this issue: 01 Sep 2024

Signature

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Vice President for Flight Standards



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Supplemental Type Certificate

Number: IRI.21E.91

Limitations/ Conditions:

- Limited only to engines installed on aircrafts registered in Iran.
- Prior to installation of this change it must be determined that the interrelationship between this change and any other previously installed change and/ or repair will introduce no adverse effect upon the airworthiness of the product.
- This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended or revoked.

Associated Technical Documentation:

- DOA-MDL-001, revision 01, issue 01, June 2024;
 - SHP-ICA-004, revision 01, issue 01, June 2024;
 - SHP-SB-004 (including CMMS 73-18-01), revision 01, issue 01, June 2024;
- or later revision of the above listed documents approved/ accepted by the CAA IRI.

-End-

Date of this issue: 01 Sep 2024

Signature

Mohammad Shahbazi
Vice President for Flight Standards

