APPROVAL CERTIFICATE

EASA.21J.409

Pursuant to Regulations (EU) 2018/1139 and (EU) 748/2012 and subject to the conditions specified below, the Agency hereby certifies

S4A, SOLUTIONS FOR AVIATION, S.L.

C/Corazon de Maria 48B
28002 Madrid (SPAIN)

as a DESIGN ORGANISATION

approved according to 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 Organisation Handbook, reference SP-12, in the latest revision, and
3. This approval is valid whilst the approved Design Organisation remains in compliance with Part 21, Section A, Subpart J.
4. Subject to compliance with the foregoing conditions, this approval shall remain valid until surrendered or revoked.

For the **European Union Aviation Safety Agency,**
Date of issue: 14/02/2022

Hans LUNDSTROEM
Senior DOA Team Leader

Terms of Approval

Design Organisation Approval Certificate

EASA.21J.409

1 Scope

This Design Organisation Approval is applicable for the scope defined in Annex A for design work with regard to the airworthiness, operational suitability and environmental characteristics of the products.

2 Privileges

a) (Reserved)

b) (Reserved)

c) The holder of this design organisation 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. (Reserved);
4. (Reserved);
5. [Not Applicable];
6. [Not Applicable];
7. [Not Applicable];
8. [Not Applicable];
9. [Not Applicable].

3 Obligations

The holder of this design organisation 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 organisation;

c) determine that the design of products, or changes or repairs thereto comply with the applicable specifications and requirements and have no unsafe features;

d) provide the Agency 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 Agency data and information related to the actions required under point 21.A.3B;

f) [Not Appliacble];

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 Agency with the following statement: “The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.409”.

Date of issue: 14/02/2022

Hans LUNDSTROEM
Senior DOA Team Leader

Annex A

Scope of work

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Large aeroplane								
Avionics								
Communication systems		■	■	■	■	■		
Diagnostic and Maintenance systems		■	■	■	■	■		
Indicating, Alerting systems		■	■	■	■	■		
Navigation systems		■	■	■	■	■		
Recording systems		■	■	■	■	■		
Surveillance systems		■	■	■	■	■		
Cabin								
Cabin interiors		■	■	■	■	■		
Cargo compartments		■	■	■	■	■		
Electrical cabin systems		■	■	■	■	■		
External schemes, placards and markings		■	■	■	■	■		
Flight deck interiors		■	■	■	■	■		
Electrical Systems								
Electrical generation / distribution systems		■	■	■	■	■		
External lighting systems		■	■	■	■	■		
Wireless transmission systems		■	■	■	■	■		
Environmental Control Systems								
Air conditioning systems		■	■	■	■	■		
Oxygen systems		■	■	■	■	■		
Water and waste systems				■		■		
Structures								
Empennage		■	■	■	■	■		
Fuselage		■	■	■	■	■		
Wings		■	■	■	■	■		

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Small aeroplane								
Avionics								
Communication systems		■	■	■	■	■		
Diagnostic and Maintenance systems		■	■	■	■	■		
Indicating, Alerting systems		■	■	■	■	■		
Navigation systems		■	■	■	■	■		
Recording systems		■	■	■	■	■		
Surveillance systems		■	■	■	■	■		
Cabin								
Cabin interiors		■	■	■	■	■		
Cargo compartments		■	■	■	■	■		
Electrical cabin systems		■	■	■	■	■		
External schemes, placards and markings		■	■	■	■	■		
Flight deck interiors		■	■	■	■	■		
Electrical Systems								
Electrical generation / distribution systems		■	■	■	■	■		
External lighting systems		■	■	■	■	■		
Wireless transmission systems		■	■	■	■	■		
Environmental Control Systems								
Air conditioning systems		■	■	■	■	■		
Oxygen systems		■	■	■	■	■		
Water and waste systems				■		■		
Flight								
Flight characteristics		■	■	■	■	■		
Structures								
Control surfaces / Moveables		■	■	■	■	■		
Empennage		■	■	■	■	■		
Fuselage		■	■	■	■	■		
Support for external equipment		■	■	■	■	■		
Wings		■	■	■	■	■		

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Large rotorcraft								
Avionics								
Communication systems		■	■	■	■	■		
Diagnostic and Maintenance systems		■	■	■	■	■		
Indicating, Alerting systems		■	■	■	■	■		
Navigation systems		■	■	■	■	■		
Recording systems		■	■	■	■	■		
Surveillance systems		■	■	■	■	■		
Cabin								
Cabin interiors		■	■	■	■	■		
Cargo compartments		■	■	■	■	■		
Electrical cabin systems		■	■	■	■	■		
External schemes, placards and markings		■	■	■	■	■		
Flight deck interiors		■	■	■	■	■		
Electrical Systems								
Electrical generation / distribution systems		■	■	■	■	■		
External lighting systems		■	■	■	■	■		
Wireless transmission systems		■	■	■	■	■		
Environmental Control Systems								
Air conditioning systems		■	■	■	■	■		
Oxygen systems		■	■	■	■	■		
Water and waste systems				■		■		
Flight								
Flight characteristics		■	■	■	■	■		
Structures								
Empennage		■	■	■	■	■		
Fuselage		■	■	■	■	■		
Support for external equipment		■	■	■	■	■		

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Small rotorcraft								
Avionics								
Communication systems		■	■	■	■	■		
Diagnostic and Maintenance systems		■	■	■	■	■		
Indicating, Alerting systems		■	■	■	■	■		
Navigation systems		■	■	■	■	■		
Recording systems		■	■	■	■	■		
Surveillance systems		■	■	■	■	■		
Cabin								
Cabin interiors		■	■	■	■	■		
Cargo compartments		■	■	■	■	■		
Electrical cabin systems		■	■	■	■	■		
External schemes, placards and markings		■	■	■	■	■		
Flight deck interiors		■	■	■	■	■		
Electrical Systems								
Electrical generation / distribution systems		■	■	■	■	■		
External lighting systems		■	■	■	■	■		
Wireless transmission systems		■	■	■	■	■		
Environmental Control Systems								
Air conditioning systems		■	■	■	■	■		
Oxygen systems		■	■	■	■	■		
Flight								
Flight characteristics		■	■	■	■	■		
Structures								
Empennage		■	■	■	■	■		
Fuselage		■	■	■	■	■		
Support for external equipment		■	■	■	■	■		

Legend:

Title for category of product	■ Within scope
Title for design scope	Outside scope
Title for design area	

List of products

NOT APPLICABLE

Limitations

Limitations common to all products and activities
The design of carbon fiber laminate structures or parts, and changes or repairs hereto, are excluded.
Development and demonstration of compliance related to SW or AEH are excluded.
Design activities that have appreciably impact on product's noise caracteristics are excluded.
Development of Operational Suitability Data excludes the OSD constituents FCD, SIMD and Maintenance Certifying Staff Data.
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