

APPROVAL CERTIFICATE

EASA.21J.499

Pursuant to Regulations (EC) 216/2008 and (EU) 748/2012 and subject to the conditions specified below, the Agency hereby certifies

DLR Deutsches Zentrum für Luft- und Raumfahrt e. V.

Linder Höhe
51147 Köln
Germany

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 DOM-Teil1, 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 Aviation Safety Agency,
Date of issue: 19 November 2015


Dominique ROLAND
Head of Design Organisations Department

Terms of Approval

Design Organisation Approval Certificate

EASA.21J.499

1 Scope of work

The holder of the Design Organisation 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.

2 Privileges

- a) The holder of this design organisation approval shall be entitled to perform design activities under Part21 and within its scope of approval.
- b) Subject to 21.A.257(b), the Agency shall accept without further verification compliance documents submitted by the holder of this design organisation approval for the purpose of obtaining, as per 21.A.263(b):
 1. the approval of flight conditions required for a permit to fly
 2. not applicable
 3. a supplemental type-certificate
 4. not applicable
 5. not applicable
- c) The holder of this design organisation approval shall be entitled, within its terms of approval and under the relevant procedures of the design assurance system, as per 21.A.263(c):
 1. to classify changes to type-certificate as "major" or "minor"
 2. to approve minor changes to type-certificate
 3. to issue information or instructions containing the following statement: "The technical content of this document is approved under the authority of DOA ref. EASA.21J.499"
 4. not applicable
 5. not applicable
 6. to approve the conditions under which a permit to fly can be issued in accordance with 21.A.710(a)(2), except for permits to fly to be issued for the purpose of 21.A.701(a)(15)
 7. to issue a permit to fly in accordance with 21.A.711(b) for an aircraft it has designed or modified, or for which it has approved under 21.A.263(c)(6) the conditions under which the permit to fly can be issued, and when the design organisation itself is controlling under its Design Organisation Approval the configuration of the aircraft and is attesting conformity with the design conditions approved for the flight

3 Obligations

The holder of the Design Organisation Approval shall, as per 21.A.265:

Terms of Approval 21J.499

DLR Deutsches Zentrum für Luft-
und Raumfahrt e.V.

Issue 4, 23/02/2018

- a) maintain the handbook in conformity with the design assurance system;
- b) ensure that this handbook is used as a basic working document within the organisation;
- c) determine that the design of products, or changes thereof, as applicable, comply with applicable requirements and have no unsafe feature;
- d) except for minor changes approved under the privilege of paragraph 2(c), provide to the Agency statements and associated documentation confirming compliance with paragraph 3(c);
- e) provide to the Agency information or instructions related to required actions under Part 21 point 21.A.3B;
- f) under the privilege of paragraph 2(c)(6), determine the conditions under which a permit to fly can be issued;
- g) under the privilege of paragraph 2(c)(7), establish compliance with Part 21 point 21.A.711(b) and 21.A.711(e) before issuing a permit to fly to an aircraft.

Date of issue: 23/02/2018



pp. Markus GOERNEMANN





Head of Design Organisations Department

Annex A

Scope of work

	TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Large aeroplane								
Avionics								
Autoflight systems								
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								
Flight								
Flight characteristics								
Structures								
Control surfaces / Moveables								
Empennage								
Fuselage								
Support for external equipment								
Wings								

Legend:

	Title
	Title
	Within scope
	Outside scope

Terms of Approval 21J.499

DLR Deutsches Zentrum für Luft-
und Raumfahrt e.V.

Issue 4, 23/02/2018

List of products

None

Limitations

Limitations common to all products and activities

1. Changes affecting OSD are excluded.
2. Development and demonstration of compliance related to SW with IDAL A, B and C is excluded.