



**European Aviation Safety Agency**

# **APPROVAL CERTIFICATE**

EASA.21J.228

Pursuant to Regulations (EC) 216/2008 and (EC) 1702/2003 and subject to the conditions specified below, the Agency hereby certifies

**airberlin technik GmbH**

**Saatwinkler Damm 42-43**

**13627 Berlin**

**Deutschland**

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 DOH, 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: 5 May 2011**

**Roger SIMON**

**Design Organisation Manager**

## **European Aviation Safety Agency**

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### **Terms of Approval**

#### **Design Organisation Approval Certificate EASA.21J.228**

**1. Scope of approval**

This Design Organisation Approval has been granted for:

- designing in accordance with the applicable type-certification basis and environmental protection requirements changes and repairs to aeroplanes in the following areas:
  - avionics and avionic equipment installation, including related electrical systems
  - cabin interiors and related electrical systems
  - structure
  - engine rating adjustment
- showing and verifying the compliance with the applicable type-certification basis and environmental protection requirements, and
- demonstrating to the Agency this compliance.

**2. Categories of products**

Large aeroplanes

**3. List of products**

[Not applicable]

**4. Privileges**

(a) The holder of this design organisation approval shall be entitled to perform design activities under Part 21 and within its scope of approval.

(b) Subject to 21A.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:

1. the approval of flight conditions required for a permit to fly; or
2. a supplemental type-certificate; or
3. a major repair design approval.

(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:

1. to classify changes to type design and repairs as "major" or "minor".
2. to approve minor changes to type design and minor repairs.
3. to issue information or instructions containing the following statement: "The technical content of this document is approved under the authority of DOA nr. EASA.21J.228".
4. to approve documentary changes to the aircraft flight manual, and issue such changes containing the following statement: "Revision nr. xx to AFM ref. yyy is approved under the authority of DOA nr. EASA.21J.228."
5. to approve the design of major repairs to products for which it holds the type-certificate or the supplemental type-certificate
6. to approve the conditions under which a permit to fly can be issued in accordance with 21A.710(a)(2),

- (i) except for initial flights of:
  - a new type of aircraft, or
  - an aircraft modified by a change that is or would be classified as a significant major change or significant STC, or
  - an aircraft whose flight and/or piloting characteristics may have been significantly modified.
- (ii) except for permits to fly to be issued for the purpose of 21A.701(a)(15).

**5. Limitations**

[See also in 1, above]

1. No avionics changes with software level A,B,C.
2. Repairs limited to structure only.
3. Engine rating adjustment in accordance with engine manufacturer published data.
4. The privilege to approve the flight conditions is limited to in-service aircraft that have sustained structural damage.

**Date of issue:** 05 May 2011



**Roger SIMON**  
**Design Organisation Manager**