

APPROVAL CERTIFICATE

EASA.21J.344

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

TRANSPORTES AÉREOS PORTUGUESES, S.A.

Edifício 25 do Aeroporto de Lisboa
1700 008 Lisbon
PORTUGAL

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 - TAP Doc. Nr. ME-137, 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: 02nd March 2020



Alexandru Enache
Section Manager
Design Organisations & Policy Issues

Terms of Approval

Design Organisation Approval Certificate

EASA.21J.344

1 Scope

This Design Organisation Approval is applicable for the scope defined in Annex A and Annex B 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 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 Agency with the following statement: "The technical content of this document is approved under the authority of the DOA ref. EASA. 21J.344".

Date of issue: 02/03/2020



Alexandru Enache
Section Manager
Design Organisations & Policy Issues

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		■	■	■				
Indicating, Alerting systems		■	■	■				
Recording systems		■	■	■				
Cabin								
Cabin interiors		■	■	■		■		
Cargo compartments		■	■	■		■		
Electrical cabin systems		■	■	■		■		
External schemes, placards and markings		■	■	■		■		
Flight deck interiors		■	■	■		■		
Powerplant and Fuel Systems								
Powerplant installations				■		■		
Structures								
Empennage		■	■	■		■		
Engine mounts		■	■	■		■		
Fuselage		■	■	■		■		
Wings		■	■	■		■		
Turbine engine								
Propulsion								
Propulsion				■		■		

Legend:

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

■	Within scope
□	Outside scope

List of products

[not applicable]

Limitations

Limitations common to all products and activities

1. Installation of new avionics category equipment (ETSO or non-ETSO) or replacement of non-ETSO avionics category equipment, are limited to DAL D.
2. Replacement of ETSO avionics category equipment is excluded from the scope when the equipment introduces new functions or changes the pilot/system interface.
3. Development of Operational Suitability Data exclude the OSD constituents FCD, MCSD and SIMD.



European Union Aviation Safety Agency

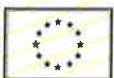
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Annex B

ETSO Authorisation

[not applicable]



An agency of the European Union