

Terms of Approval

Design Organisation Approval Certificate

EASA.21J.158

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 as “major” or “minor”;
 2. to approve minor changes to a type-certificate or to a supplemental type-certificate;
 3. (Reserved);
 4. (Reserved);
 5. [not applicable];
 6. [not applicable];
 7. [not applicable];
 8. [not applicable];
 9. [not applicable].

Terms of Approval 21J.158
Issue 10, 23/01/2020

Phoenix Aerospace Limited

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 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.158".

Date of issue: 23/01/2020



Robert BOERSMA
Senior DOA Team Leader

Annex A

Scope of work




Large aeroplane		TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Avionics	Autoflight systems								
	Communication systems								
	Diagnostic and Maintenance systems								
	Indicating, Alerting systems								
	Navigation systems								
	Recording systems								
	Surveillance systems								
Cabin	Cabin interiors								
	Flight deck interiors								
Electrical Systems	Electrical generation / distribution systems								
	External lighting systems								
	Wireless transmission systems								
Flight	Flight characteristics								



		TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Large rotorcraft									
	Avionics								
	Autoflight systems								
	Communication systems								
	Diagnostic and Maintenance systems								
	Indicating, Alerting systems								
	Navigation systems								
	Recording systems								
	Surveillance systems								
	Cabin								
	Cabin interiors								
	Flight deck interiors								
	Electrical Systems								
	Electrical generation / distribution systems								
	External lighting systems								
	Wireless transmission systems								
	Flight								
	Flight characteristics								
	Structures								
	Empennage								
	Fuselage								
	Support for external equipment								
	Wings								

Small aeroplane		TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Avionics									
	Autoflight systems								
	Communication systems								
	Diagnostic and Maintenance systems								
	Indicating, Alerting systems								
	Navigation systems								
	Recording systems								
	Surveillance systems								
Cabin									
	Cabin interiors								
	Flight deck interiors								
Electrical Systems									
	Electrical generation / distribution systems								
	External lighting systems								
	Wireless transmission systems								
Flight									
	Flight characteristics								
Structures									
	Empennage								
	Fuselage								
	Support for external equipment								
	Wings								

		TC	STC	major changes	minor changes	major repairs	minor repairs	flight conditions	permit to fly
Small rotorcraft									
	Avionics								
	Autoflight systems								
	Communication systems								
	Diagnostic and Maintenance systems								
	Indicating, Alerting systems								
	Navigation systems								
	Recording systems								
	Surveillance systems								
	Cabin								
	Cabin interiors								
	Flight deck interiors								
	Electrical Systems								
	Electrical generation / distribution systems								
	External lighting systems								
	Wireless transmission systems								
	Flight								
	Flight characteristics								
	Structures								
	Empennage								
	Fuselage								
	Support for external equipment								
	Wings								

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. Structures-related changes are limited to:
 - a. those supporting the avionics/electrical changes provided that the associated structural changes do not modify the pressurised hull of the aircraft or introduce any significant stress or load on existing structure; and
 - b. items of mass and panel installations inside the cabin of unpressured aircraft with no undue effect on flutter characteristics and using existing attachment points (i.e. no new holes affecting PSE fatigue characteristics).
2. Cabin interior changes are limited to harness and seat belt changes classified as minor.
3. Changes affecting Operational Suitability Data are excluded.