

Terms of Approval

Design Organisation Approval Certificate

EASA.21J.274

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. to approve certain major repair designs under Part 21, Section A, Subpart M to products;
 6. to approve for certain aircraft the flight conditions under which a permit to fly can be issued in accordance with point 21.A.710(a)(2), except for permits to fly to be issued for the purpose of point 21.A.701(a)(15);
 7. to issue a permit to fly in accordance with point 21.A.711(b) for an aircraft it has designed or modified, or for which it has approved, in accordance with point 21.A.263(c)(6), the flight conditions under which the permit to fly can be issued, and where the holder of this design organisation approval itself:
 - (i) controls the configuration of the aircraft, and
 - (ii) attests conformity with the design conditions approved for the flight;
 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) under the privilege of paragraph 2(c)(6), determine the flight conditions under which a permit to fly can be issued;
- g) under the privilege of paragraph 2(c)(7), establish compliance with points (b) and (e) of point 21.A.711 before issuing a permit to fly to an aircraft;
- 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.274".

Date of issue: 14/02/2024



Damian KOCJANCIC
Senior DOA Team Leader

Annex A

Scope of work

| | TC | STC | major changes | minor changes | major repairs | minor repairs | flight conditions | permit to fly |
|---|----|-----|---------------|---------------|---------------|---------------|-------------------|---------------|
| (Powered) sailplane | | | | | | | | |
| Avionics (non-TCH activity) | | | | | | | | |
| Communication systems | | | | | | | | |
| Diagnostic and Maintenance systems | | | | | | | | |
| Indicating, Alerting systems | | | | | | | | |
| Navigation systems | | | | | | | | |
| Recording systems | | | | | | | | |
| Surveillance systems | | | | | | | | |
| Cabin (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |
| Electrical Systems (non-TCH activity) | | | | | | | | |
| Electrical generation / distribution systems | | | | | | | | |
| External lighting systems | | | | | | | | |
| Flight (non-TCH activity) | | | | | | | | |
| Flight characteristics | | | | | | | | |
| Hydro-Mechanical Systems (non-TCH activity) | | | | | | | | |
| Flight controls | | | | | | | | |
| Fuselage doors | | | | | | | | |
| Hydraulics/Pneumatics systems | | | | | | | | |
| Landing gear systems | | | | | | | | |
| Powerplant and Fuel Systems (non-TCH activity) | | | | | | | | |
| Fuel systems | | | | | | | | |
| Powerplant installations | | | | | | | | |
| Structures (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |

Legend:

| | |
|--|-------------------------------|
| | Title for category of product |
| | Title for design scope |
| | Title for design area |

| | |
|--|---------------|
| | Within scope |
| | Outside scope |

| | 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 | | | | ■ | ■ | ■ | ■ | ■ |
| Environmental Control Systems | | | | | | | | |
| Oxygen systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydro-Mechanical Systems | | | | | | | | |
| Flight controls | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Fuselage doors | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydraulics/Pneumatics systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Landing gear systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Structures | | | | | | | | |
| All areas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

Legend:

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

| | |
|---|---------------|
| ■ | Within scope |
| □ | Outside scope |

| | TC | STC | major changes | minor changes | major repairs | minor repairs | flight conditions | permit to fly |
|---|----|-----|---------------|---------------|---------------|---------------|-------------------|---------------|
| Small aeroplane | | | | | | | | |
| All scope (TCH) | | | | | | | | |
| All areas | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Avionics (non-TCH activity) | | | | | | | | |
| Communication systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Diagnostic and Maintenance systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Indicating, Alerting systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Navigation systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Recording systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Surveillance systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Cabin (non-TCH activity) | | | | | | | | |
| All areas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Electrical Systems (non-TCH activity) | | | | | | | | |
| Electrical generation / distribution systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| External lighting systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Flight (non-TCH activity) | | | | | | | | |
| Flight characteristics | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydro-Mechanical Systems (non-TCH activity) | | | | | | | | |
| Flight controls | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Fuselage doors | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydraulics/Pneumatics systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Landing gear systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Powerplant and Fuel Systems (non-TCH activity) | | | | | | | | |
| Fuel systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Powerplant installations | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Structures (non-TCH activity) | | | | | | | | |
| All areas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

Legend:

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

| | |
|---|---------------|
| ■ | Within scope |
| □ | Outside scope |

| | TC | STC | major changes | minor changes | major repairs | minor repairs | flight conditions | permit to fly |
|---|----|-----|---------------|---------------|---------------|---------------|-------------------|---------------|
| Small rotorcraft | | | | | | | | |
| Avionics (non-TCH activity) | | | | | | | | |
| Communication systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Diagnostic and Maintenance systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Indicating, Alerting systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Navigation systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Recording systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Surveillance systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Cabin (non-TCH activity) | | | | | | | | |
| All areas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Electrical Systems (non-TCH activity) | | | | | | | | |
| Electrical generation / distribution systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| External lighting systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydro-Mechanical Systems (non-TCH activity) | | | | | | | | |
| Flight controls | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Fuselage doors | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Hydraulics/Pneumatics systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Landing gear systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Powerplant and Fuel Systems (non-TCH activity) | | | | | | | | |
| Fuel systems | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Powerplant installations | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Structures (non-TCH activity) | | | | | | | | |
| All areas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

Legend:

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

| | |
|---|---------------|
| ■ | Within scope |
| □ | Outside scope |

| | TC | STC | major changes | minor changes | major repairs | minor repairs | flight conditions | permit to fly |
|---|----|-----|---------------|---------------|---------------|---------------|-------------------|---------------|
| VLA / LSA | | | | | | | | |
| Avionics (non-TCH activity) | | | | | | | | |
| Communication systems | | | | | | | | |
| Diagnostic and Maintenance systems | | | | | | | | |
| Indicating, Alerting systems | | | | | | | | |
| Navigation systems | | | | | | | | |
| Recording systems | | | | | | | | |
| Surveillance systems | | | | | | | | |
| Cabin (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |
| Electrical Systems (non-TCH activity) | | | | | | | | |
| Electrical generation / distribution systems | | | | | | | | |
| External lighting systems | | | | | | | | |
| Flight (non-TCH activity) | | | | | | | | |
| Flight characteristics | | | | | | | | |
| Hydro-Mechanical Systems (non-TCH activity) | | | | | | | | |
| Flight controls | | | | | | | | |
| Fuselage doors | | | | | | | | |
| Hydraulics/Pneumatics systems | | | | | | | | |
| Landing gear systems | | | | | | | | |
| Powerplant and Fuel Systems (non-TCH activity) | | | | | | | | |
| Fuel systems | | | | | | | | |
| Powerplant installations | | | | | | | | |
| Structures (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |

Legend:

| | |
|--|-------------------------------|
| | Title for category of product |
| | Title for design scope |
| | Title for design area |

| | |
|--|---------------|
| | Within scope |
| | Outside scope |

| | TC | STC | major changes | minor changes | major repairs | minor repairs | flight conditions | permit to fly |
|-------------------------------|----|-----|---------------|---------------|---------------|---------------|-------------------|---------------|
| Piston engine | | | | | | | | |
| Propulsion (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |
| Propeller | | | | | | | | |
| Propulsion (non-TCH activity) | | | | | | | | |
| All areas | | | | | | | | |

Legend:

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|--|-------------------------------|
| | Title for category of product |
| | Title for design scope |
| | Title for design area |

| | |
|--|---------------|
| | Within scope |
| | Outside scope |

List of products

| Product | Design Activity | Types |
|-----------------|-----------------|--|
| Small aeroplane | TC | TCDS EASA.A.591 AS202-Series |
| | | Type for which ACC COLUMBIA Jet Service GmbH is undertaking type-certificate holder's actions and obligations: TCDS EASA.A.539 Ruschmeyer R 90 |

Limitations

Limitations common to all products and activities

1. Development and demonstration of compliance related to AEH with IDAL A, B, C and D is excluded.
2. Development of Operational Suitability data is excluded.
3. The privilege under paragraph 2(c)(5) is limited to the approval of the design of major repairs to products for which the DOA holds the type-certificate or the supplemental type-certificate.

| Product | Limitations particular to each product |
|------------------|---|
| Large aeroplane | For non-TCH activity: 1. Design activities requiring flight testing are excluded |
| Small rotorcraft | For non-TCH activity: 1. Design activities requiring flight testing are excluded |