

## DESIGN ORGANIZATION

### SCOPE OF APPROVAL

This Challenge Air Design Organization has been granted for:

- Antennae installations for pressurized and non-pressurized aircraft
- Structural modifications to aircraft to accommodate equipment installation
- Structural modifications to aircraft for Special Purpose Operations (See definitions)
- Minor structural repairs to aircraft outside the scope of the OEM structural repair manual (SRM)
- Component design of parts or appliances
- Aircraft modification to accommodate updated or alternate powerplant installations
- Aircraft interior configuration changes
- Electrical and system installation design including electrical load analysis and EMI testing provisions
- Avionics and electrical configuration changes

#### Categories of products:

1. Small aircraft - i.e. aircraft with a maximum certified mass of 8636kg. (19 000lb.) or less
2. Large Aircraft - i.e. aircraft with a maximum certified mass exceeding 8636kg. (19 000lb.)
3. All rotary-wing aircraft

## DESIGN ORGANIZATION

### PRIVILEGES OF THE DESIGN ORGANIZATION

The Challenge Air Design Organization shall, in terms of its design organization approval, be entitled to perform design activities under Part 21 and within its Scope of Approval.

Subject to the provisions of regulation 147.01.4, the Director may accept without further verification, any document submitted to the Director in terms of Part 21, by the Challenge Air Design Organization as the holder of a design organization approval to design products, parts and appliances, or changes thereto, for the purpose of obtaining –

- A supplemental type certificate (STC)

The Challenge Air Design Organization, as a holder of an approval to design products or changes thereto, shall be entitled to, within its terms of approval –

- Classify design changes as “MAJOR” or “MINOR” under a procedure approved by the Director
- Obtain approval of documentary changes to the MMEL and to the aircraft flight manual under a procedure approved by the Director, and issue such changes containing a statement that the changes are approved; and issue information or instructions not associated with changes except for actions required under Part 21.

#### Limitations:

Challenge Air cc shall not exercise design work that is outside their scope of approval and privileges granted by the Director of Civil Aviation.