

Part 10 — Approved design organisations

10.1 Purpose

For subregulation 21.263 (2) of CASR, this Part prescribes requirements that:

- (a) must be contained in the exposition for an approved design organisation; and
- (b) are for the qualifications, knowledge and experience for each position mentioned in paragraph 21.263 (1) (d) of CASR.

Note The positions mentioned in paragraph 21.263 (1) (d) are the accountable manager, head of design, each other managerial position, and each position held by a person who carries out a design activity for an approved design organisation.

10.2 Accountable manager — knowledge requirements

The exposition for the approved design organisation must include the requirement that a person appointed by the organisation as the accountable manager for the organisation understands:

- (a) the responsibilities of the accountable manager for the organisation; and
- (b) the scope of the organisation's approval, including its obligations under its approval certificate; and
- (c) the organisation's structure and high level operational arrangements.

10.3 Head of design — knowledge, qualifications and experience requirements

- (1) The exposition for the approved design organisation must include the requirement that a person appointed by the organisation as the head of design for the organisation:
 - (a) has comprehensive knowledge of the following:
 - (i) the responsibilities of the position of head of design for the organisation;
 - (ii) the civil aviation legislation applicable to the organisation;
 - (iii) the exposition and design assurance system manual for the organisation; and
 - (b) has good working knowledge of the civil aviation legislation applicable to the design activities carried out by the organisation under its approval certificate; and
 - (c) has tertiary qualifications in an engineering discipline at least equivalent to a 4 year bachelor degree in engineering under an Australian accredited or recognised program and relevant to the design activities carried out under the organisation's approval certificate; and
 - (d) has appropriate experience to enable the head of design to ensure that the organisation complies with its exposition and design assurance system manual and CASR in carrying out design activities, including a broad range of management experience working in 1 or more technical disciplines relevant to the design activities carried out by the organisation under its approval certificate;
 - (e) has at least 8 years' experience in an engineering discipline working on increasingly complex engineering projects relevant to the design activities carried out by the organisation under its approval certificate and including either:
 - (i) at least 2 years' experience carrying out design activities the same as, or similar to, the design activities carried out by the organisation, either for an organisation under Subpart 21.J of CASR or as an authorised person; or

- (ii) at least 5 years' experience working in CASA or for the national aviation authority of another Contracting State carrying out activities the same as, or similar to, the design activities carried out by the organisation.
- (2) A person who has held the position of head of design (however described) in a design organisation approved under regulation 30 of CAR 1988 is taken to meet the requirements mentioned in paragraphs (c), (d) and (e).

10.4 Person carrying out design activity — knowledge requirements

The exposition for the approved design organisation must include the following requirements for a person carrying out a design activity for the organisation in accordance with the organisation's approval certificate:

- (a) the person must have comprehensive knowledge of:
 - (i) the responsibilities required of the position; and
 - (ii) the technical subject matter applicable to carrying out the design activity; and
 - (iii) the organisation's exposition and design assurance system manual applying to the design activity; and
- (b) the person must have a good working knowledge of the organisation's exposition and design assurance system manual.

10.5 Person carrying out design activity — qualifications and experience requirements

- (1) The section applies if a person carries out a design activity for an approved design organisation in accordance with the organisation's approval certificate and the design activity is not:
 - (a) approving a defect in an Australian aircraft as permissible unserviceability for the aircraft under regulation 21.007 of CASR; or
 - (b) approving technical data under regulation 21.009 of CASR; or
 - (c) approving a major change in a type design under regulation 21.098 of CASR.
- (2) The exposition for the organisation must require that the person has:
 - (a) tertiary qualifications in an engineering discipline that are:
 - (i) at least equivalent to a 4 year Bachelor of Engineering degree under an Australian accredited or recognised program; and
 - (ii) relevant to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (b) at least 6 years' experience in an engineering discipline working on increasingly complex projects relevant to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (c) at least 12 months' experience in a civil aviation environment in an engineering discipline relevant to the design activity and to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (d) experience carrying out certification processes relevant to the design activity; and
 - (e) experience working with other persons working in other engineering disciplines; and

- (f) a good working knowledge of the civil aviation legislation and standards applicable to the design activity and approved design organisations.
- (3) A person authorised by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR to carry out a design activity under Part 21 of CASR is taken to meet the requirements mentioned in subsection (2), if the person has been authorised to carry out an equivalent design activity, either for an organisation under Subpart 21.J of CASR or as an authorised person.

10.6 Person approving defect that is permissible unserviceability — experience requirements

- (1) This section applies if a person approves a defect in an Australian aircraft that is a permissible unserviceability under regulation 21.007 of CASR for the approved design organisation.
- (2) The exposition for the approved design organisation must require that the person has:
 - (a) at least 8 years' experience in an engineering discipline working on increasingly complex projects and that is relevant to:
 - (i) the person's capacity to approve a defect in an aircraft that is a permissible unserviceability; and
 - (ii) the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (b) at least 2 years' experience carrying out design activities the same as, or similar to, the design activity mentioned in regulation 21.007 either under Subpart 21.J of CASR or as an authorised person; and
 - (c) experience in carrying out certification processes relevant to issuing approvals under regulation 21.007 of CASR.
- (3) A person authorised by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR to carry out a design activity under regulation 21.007 of CASR is taken to meet the requirements mentioned in subsection (2), if the person has been authorised to carry out an equivalent design activity, either for an organisation under Subpart 21.J of CASR or as an authorised person.

10.7 Person authorised to approve technical data — experience requirements

- (1) The exposition for the approved design organisation must require that a person who approves technical data under regulation 21.009 of CASR for the approved design organisation has:
 - (a) at least 4 years' experience in an engineering discipline that is relevant to approving the technical data and to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (b) at least 12 months' experience in a civil aviation environment in an engineering discipline that is relevant to approving technical data and to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (a) of CASR; and
 - (c) experience carrying out certification processes relevant to issuing approvals under regulation 21.009 of CASR.
- (2) A person authorised by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR to carry out a design activity under regulation 21.009 of CASR is taken to meet the requirements mentioned in subsection (1), if the person has been authorised

to carry out an equivalent design activity, either for an organisation under Subpart 21.J of CASR or as an authorised person.

10.8 Person approving major change in type design — experience requirements

- (1) The exposition for the approved design organisation must require that a person who approves a major change in a type design under regulation 21.098 of CASR for the organisation has:
 - (a) at least 8 years' experience in an engineering discipline relevant to the person's capacity to approve a major change in type design of an aircraft, aircraft engine or propeller and to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (b) at least 2 years' current or previous experience as a person carrying out design activities under Subpart 21.J of CASR and to the authorisation issued to the person by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR; and
 - (c) experience in certification processes relevant to approving a major change in a type design of an aircraft, aircraft engine or propeller.
- (2) A person, who is authorised by the organisation as mentioned in paragraph 21.237 (3) (c) of CASR to carry out a design activity under regulation 21.098 of CASR, is taken to meet the requirements mentioned in subsection (1) if the person has been authorised to carry out an equivalent design activity, either for an organisation under Subpart 21.J of CASR or as an authorised person.