

Job Description

Job Title: Chief Design Engineer

Job Holder:

Responsible to: Head of Design

Applicable CS25 subjects (and the equivalent subjects within CS23, CS27 & CS29)

2x.561, 2x.562, 2x.581, 2x.601, 2x.603, 2x.605, 2x.607, 2x.609, 2x.611, 2x.613, 2x.619, 2x.621, 2x.623, 2x.625, 2x.629, 2x.631, 2x.785, 2x.787, 2x.789, 2x.791, 2x.793, 2x.795, 2x.803, 2x.807, 2x.809, 2x.810, 2x.811, 2x.812, 2x.813, 2x.815, 2x.817, 2x.819, 2x.820, 2x.831, 2x.851, 2x.853, 2x.854, 2x.855, 2x.856, 2x.857, 2x.858, 2x.869, 2x.899, 2x.1301, 2x.1309, 2x.1310, 2x.1316, 2x.1353, 2x.1411, 2x.1415, 2x.1419, 2x.1421, 2x.1423, 2x.1439, 2x.1441, 2x.1443, 2x.1445, 2x.1447, 2x.1449, 2x.1450, 2x.1453, 2x.1455, 2x.1519, 2x.1529, 2x.1541, 2x.1543, 2x.1557, 2x.1561, 2x.1581, 2x.1583, 2x.1585, 2x.1701, 2x.1703, 2x.1705, 2x.1707, 2x.1709, 2x.1711, 2x.1713, 2x.1715, 2x.1717, 2x.1719, 2x.1721, 2x.1729

Appendix F, Appendix H, Appendix K, Appendix L

Description/ Responsibilities:

- To ensure that the Design staff have the relevant experience, training and qualifications for such tasks.
- To ensure that the design staff is of sufficient number and have the appropriate authority to be able to discharge their allocated responsibilities.
- To ensure that the accommodation, facilities and equipment are adequate to enable the staff to achieve objectives.
- To appoint all design personnel in conjunction with the Head of Design Organisation.
- To ensure that design staff work to the requirements of the Design Organisation Handbook that is used as the basic working document within the Design Organisation.
- Responsible for ensuring that tasks set are achieved in timely and cost effective manner
- To ensure that the Procedures specified in the DOA Handbook are treated as an integral part of the Design Organisation processes.
- To ensure that the Procedures specified in the DOA Design Manual are treated as an integral part of the Design Organisation processes.
- To ensure that proper co-ordination and control exists between the Design Organisation and Production Organisation.
- To set realistic technical targets for the design team.
- To monitor the performance of the design team in achieving their goals/targets and to ensure that appropriate action is taken to rectify any short-falls as soon as possible.
- To delegate suitable authority and responsibility to the designers sufficient for them to achieve their goals.
- To provide guidance and support to design staff for the completion of design data.
- To provide checking and/or approval (where authorised) of design data

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- To maintain effective control of the provision of design data.
- To assist the Chief of the Office of Airworthiness to liaise with, and obtain agreement with, the type certificate holder where there is an arrangement with the type certificate holder for MAC Interiors design change to the product, part and appliance etc.
- To ensure adherence to the DOA Design Assurance procedures.
- Provide support to the Technical Illustrator for compilation of Technical Illustrations and associated aircraft related maintenance documents, ie AMM, CMM, IPL etc in accordance with ATA100 and to appropriate Customer, Company &/or regulatory standards in support of Company design data

Minimum requirements to undertake the role

Experience & Qualifications:

- Degree or HND/HNC or OND/ONC in mechanical or electrical or aerospace engineering.
- 10 years experience in the design of aircraft interior components and/or aircraft structures or systems.
- Previous experience in one or more of the areas defined in Berwick Industries Ltd Part 21 Handbook, Section 1.6.1.
- A clear understanding of materials and manufacturing processes.
- Awareness of regulatory requirements, ie EASA, JAA, FAA.
- CAD proficient (2D or 3D CAD packages: Inventor, CATIA and/or AutoCAD).
- Able to produce calculations in support of the design activity.
- Knowledge and experience within one or more of the areas of the Scope of Work as defined in the Berwick Industries Ltd Part 21 Handbook, Section 1.6.1.
- Able to check and/or approve design data generated by the Design staff.

Desirable Requirements:

- Experience in airframe structural repairs
- Experience in airframe systems/component integration
- Experience in design of new, changes to existing, electrical equipment

Working Relationships:

- Work in a team environment, and as a team member, play a key role in the production of design data.
- The ability to work alone or within a team.

Other Conditions:

- Full driving licence.
- A willingness and ability to travel within the UK and abroad, sometimes at short notice and extended periods may be required.
- PC literate.
- Proficient in Microsoft© Word and Excel.

I confirm that I have received and read a copy of my Job Description and understand the duties expected of me.

Signature of Position Holder:

Date:

Signature of Manager:

Date:

Distribution: Employee, Head of Design Organisation, HR - (Personnel File)