



## **Quality Management System**

**Q100.** SIE reserves the right to review and approve the Supplier's Quality Management System. When the supplier's operation is accredited by a third-party organization, the supplier shall provide a copy of the certification to SIE quality assurance department.

**Q101.** The Supplier shall allow right of access by SIE, and regulatory authorities to the applicable areas of their facilities to review all applicable quality records.

**Q102.** External Providers shall ensure that all person(s) in their organization is aware of their contribution to product or service conformity; their contribution to product safety; the importance of ethical behavior.

## **Design Control**

**Q200.** The Supplier shall maintain the proper identification and revision status of drawings, specifications, process requirements, inspection/verification instructions and other relevant technical data.

**Q201.** SIE reserves the right to approve or specify inspection plans for part verification, use of statistical techniques for product acceptance, and determination on critical items including key characteristics.

**Q202.** The Supplier shall maintain company procedures for handling electronic media on FAA projects. Procedures shall provide traceability and complete records of all Supplier personnel that handle electronic media. SIE reserves the right to conduct surveillance at Supplier's facility to review quality records.

## **Product Verification**

**Q300.** Manufacturing records shall be maintained for ten years. After the ten-year period the Supplier shall contact SIE for approval and final disposition to delete records including Certified Personnel Records; Electronic Inspection Reports; AS9102 Forms, NDI Reports and Shop Travelers

**Q301.** First Article Inspection (FAI) report is required for each dash number in accordance with SAE AS 9102. When repetitive dimensions are inspected for diametrical positional tolerances, the Supplier shall record actual measurements for each individual hole location. Drawings shall be highlighted with balloons that correspond to measurements listed in AS9102 form 3.

**Q302.** The supplier shall submit a Certificate of Compliance (C of C) summarizing all processes and tests performed, along with the name of each facility utilized. The supplier must also include the applicable revision status of each specification performed.



**Q303.** The Supplier shall provide electronic copies material certificates, special processing certificates, test results, chemical and physical analysis.

**Q304.** The Supplier shall provide electronic copies of manufacturing work travelers to support product conformity. When sensitive proprietary information is listed on traveler, the Supplier must allow review of their work traveler onsite at their facility to support product conformity.

## **Composite Parts**

**Q400.** Supplier's manufacturing composite materials are subjected to in-process verification of their manufacturing process. SIE will conduct an audit at the Supplier facility that includes all aspects of the manufacturing cycle including review of material handling, shelf life and material out time. The audit will verify ply orientation, cure cycle temperature, cure pressure and in-process & post inspections in accordance with drawing requirements. The supplier shall make available their quality procedures, quality records, work traveler, manufacturing personnel, and inspection personnel during the onsite audit.

## **FAA Prototype Parts (STC)**

**Q500.** In accordance with FAA order 8110.4C paragraph 5.3.B-3B Procedure #2, SIE may at its sole discretion delegate, in writing, a representative at the Supplier to complete FAA form 8130-9 statement of conformity. SIE reserves the right to conduct surveillance at Supplier's facility to determine the product conforms to design requirements.

## **Nonconforming Product**

**Q600.** The Supplier must notify SIE of nonconforming products documented in the AS9102 forms and their accompanying Non-Conformance Report (NCR). SIE is responsible for final disposition of all Non-Conformances. Pending disposition, the Supplier must identify and tag non-conforming product in accordance with their Quality System.

**Q601.** The supplier shall immediately report to SIE any quality escapes of product that has already been delivered, regardless of the date of discovery.

**Q602.** Counterfeit Work is any item that is, or contains items that are, misrepresented as having been produced under an approved system or other acceptable method. The Supplier agrees that counterfeit work is not delivered to SIE or their customers.

**Q603.** The supplier shall exercise the necessary controls and practices in order to eliminate Foreign Object Debris (FOD) as specified in AS9100 Rev D. The use of AS9146 as a guide is recommended.

## **Corrective Action**

**Q700.** For corrective actions submitted by SIE to the Supplier, the Supplier shall document the root cause of the discrepancy, corrective actions taken, and the effective date of the corrective action. SIE reserves the right to audit the effectiveness of the stated corrective action at the supplier's facility.



### **Customer Ordered Product**

**Q800.** Customer ordered material from Supplier's outside of SIE approved Supplier List must comply with SIE Quality Management Systems to perform work on FAA projects. The Customer purchase order must reference SIE quality terms & conditions on their purchasing contract.