

# AS9100D Supplier Flow Downs

## QUALITY CLAUSES

Product/Service Purchased	Quality Code
Raw Material	QC01, QC02, QC04, QC05, QC06, QC07, QC15, QC17, QC20, QC21, QC22, QC23, QC24, QC25, QC26, QC27
Hardware	QC01, QC02, QC04, QC05, QC06, QC07, QC09, QC13, QC15, QC16, QC17, QC21, QC22, QC23, QC24, QC25, QC26, QC27
Heat Treated	QC01, QC02, QC03, QC05, QC06, QC07, QC10, QC11, QC13, QC15, QC17, QC21, QC22, QC24, QC25, QC26, QC27
Outside Service/Calibration	QC01, QC02, QC05, QC06, QC07, QC08, QC09, QC10, QC12, QC13, QC14, QC15, QC16, QC17, QC19, QC21, QC22, QC24, QC25, QC26, QC27

Quality Code	Title	Requirement
QC01	Quality System	Supplier shall establish and maintain a Quality System acceptable to First State Manufacturing, for the goods and/or services purchased under this purchase order. As a minimum, the supplier's Quality System must meet the requirements of ISO9001 or better.
QC02	AS9100 Compliant	The supplier is required to maintain a Quality System in compliance to AS9100. If facility is not certified to AS9100, buyer reserves the right to conduct surveillance at supplier's facility to make final determination that <u>Supplier's Quality System</u> meets the requirements, and/or supplier will be required to complete a Supplier Survey Questionnaire.
QC03	NADCAP Approval	Special processing NADCAP approval is required. The special process requirements will be listed on the actual purchase order.
QC04	Supplier Furnished Material	Supplier shall submit Chemical and Physical test reports in accordance with the latest material specifications and revision. Distributors must provide a certification verifying the materials traceability to the Mill test reports when supplied.
QC05	Sub-Contractor Flow Down	Supplier is required to flow down the requirements of this purchase order, including terms and conditions to the Supplier's subcontractors. Flow down of key characteristics is required when specified on the face of purchase order.
QC06	Record Retention and Disposition	As a minimum, the Supplier is to retain records for at least 10 years from the date of shipment under each applicable order for all products/part numbers unless otherwise specified in the order. In special circumstances, the purchase order will identify the actual required number of years that the records should be maintained. After the minimum retention period is achieved, suppliers may disposition the records as archive or destroy at their discretion.
QC07	Measuring & Test Equipment	The Supplier's equipment shall be calibrated in accordance with ANSI/NCLSL Z540-1 or ISO 10012-1 and traceable to NIST.
QC08	First State Manufacturing Furnished Property	Supplier is to return all furnished property to First State Manufacturing at the completion of the purchase order. Furnished property may include but not be limited to the following: drawings, mylars, process specification, tooling, fixtures, and excess raw material.
QC09	Parts Identification	The Supplier is to identify parts in accordance with purchase order requirements.
QC10	Nonconformance/Corrective Action	The Supplier is to notify First State Manufacturing of any Nonconformance prior to shipping product and obtain approval for disposition of any nonconforming product. In addition, the Supplier will maintain a system of handling non-conformances and corrective actions.
QC11	Special Processing Approval	The Supplier is to perform a special process on this purchase order. Special processing may include one of the following processes: heat-treating, stress relieving or Nondestructive testing. First State Manufacturing shall identify the specific process specification and the end user on the purchase order. The Supplier should maintain its special process approval with the end user. If the Supplier is not currently approved for the specified process, it is the Supplier's responsibility to notify First State Manufacturing immediately.

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QC12	Dimensional Inspection Report	The Supplier is to document an actual dimensional inspection report and submit it to First State Manufacturing at the completion of the purchase order.
QC13	First Article Inspection	The Supplier to submit a First Article per AS9102 with this purchase order. It should identify all of the process specifications and dimensional data.
QC14	Calibration Vendor	The calibration vendor shall be accredited to ISO17025. All measuring and test equipment shall be calibrated in accordance with ANSI/NCLSL Z540-1 or ISO 10012-1 and traceable to NIST.
QC15	Packaging Protection	Supplier to package parts in a manner that will protect parts from any kind of damage. No metal to metal contact is ever allowed. In special circumstances, the purchase order may specify the manner the parts are to be packaged.
QC16	Part Number Serialization	All parts should have unique serial numbers assigned. Supplier is to maintain tractability throughout the production stage.
QC17	Certificate of Conformance	A certification is required, stating that all of the products or services meet the contractual or purchase order requirements. The certificate must list the part number and all of the applicable process specifications, including up to date revision levels.
QC18	The Boeing Company Approved Process	The Supplier shall maintain a special process approval from The Boeing Company on this purchase order.
QC19	Key Characteristics Data Required	This purchase order deals with the drawing that identifies key characteristics. Both the Supplier and First State Manufacturing should have established a control plan prior to the placement of this purchase order.
QC20	BUY AMERICA ACT	Items procured under this purchase order must be compliant with DFAR 252.225-7000
QC21	Right of Entry	First State Manufacturing, our customers, and/or any applicable regulatory authority reserve the right to access the supplier's applicable areas of all facilities, at any level of the supply chain, involved in the order and to all applicable records. Reason for access may include inspection of the item on order, status of the item, or reviewing quality records pertaining to the purchase order in question.
QC22	QMS Awareness	Vendors Personnel must be made aware of: <ul style="list-style-type: none"> <li>• their contribution to product or service conformity;</li> <li>• their contribution to product safety;</li> <li>• the importance of ethical behavior.</li> </ul>
QC23	Counterfeit Prevention	Vendor must have a process in place to detect and prevent the use of counterfeit parts/materials.
QC24	Control & Monitoring Requirements	Vendor must maintain a Quality Level $\geq 98\%$ and an OTD level $\geq 98\%$ . If levels drop below target, supplier will be notified and may be placed on conditional status or disapproved if not corrected
QC25	Change Notification	Supplier is to notify First State Manufacturing of changes in product and/or process, changes of suppliers, changes of manufacturing facility location and, where required, obtain organization approval.
QC26	Acceptance Authority Media	Media such as inspection stamps and electronic signatures used for product acceptance/inspection must be controlled and traceable to the personnel they are issued to.
QC27	Verification on Supplier's Premises	Verification of product on supplier premises by First State Manufacturing or its customers, does not remove the obligation to provide conforming products and shall not be used as the organizations evidence of conformity.