

FXC/Guardian Parachute Supplier Quality Requirement Codes

QA-01 SUPPLIER QUALITY MANAGEMENT SYSTEM

Supplier shall maintain a quality system that complies with requirements of ISO9001:2015/AS9100. Supplier QMS system shall be certified by a 3rd party source that is accredited by the Registrar Accreditation Board (RAB or Certifying Body). Supplier changes to their registration status shall be report to FXC/Guardian Quality with 72 hours.

QA-02 CONTROL OF QUALITY

The seller shall provide and maintain a system that complies with ISO9001:2015/AS9100. Compliance with the provisions of this clause in no way relieves the seller of the final responsibility to furnish acceptable supplies or services. This system shall be subject to audit by FXC/Guardian representatives, as defined by FXC/Guardian Quality Assurance.

QA - 03 PRODUCT QUALITY

Products shall be uniform in quality and condition, sound and free from foreign materials and imperfections detrimental to the usage of product. The product must be of an overall quality consistent with good industry practices and workmanship, adhere to requested PO requirements without deviation.

QA - 04 STATISTICAL PROCESS CONTROL

Statistical Process Control is required during the manufacture of the item(s) for which this clause is called-out. SPC shall be in accordance with a plan approved by FXC/Guardian Quality Assurance. Key, Critical & Significant Characteristics are required to meet Cpk 1.33 min. requirements. Control charts shall be submitted with shipment.

QA - 05 PRECEDENCE OF REQUIREMENTS

In the event of a conflict between the documents referenced in the P.O, the following shall be the order of precedence:

- FXC/Guardian P.O
- FXC/Guardian Quality Clauses
- Item Drawing
- Material and Process Specification
- General Terms and Conditions

QA - 06 NONCONFORMING PRODUCT CONTROLS,

Product recalls & escape notification. Suppliers are required to report any failure, malfunction, or defect in any product, part, process or article that is manufactured and delivered to FXC/Guardian within 48 hours.

QA - 07 MATERIAL REVIEW & DISPOSITION

The supplier shall maintain a system of material identification and segregation to ensure that non-conforming material is not comingled with accepted material. The supplier is not authorized to perform material review board (MRB) actions or disposition of non-conforming material with the intent of delivering such material without the express written authorization of FXC/Guardian purchasing and quality assurance. Recommended dispositions or departures from drawings or specifications must be forwarded to FXC/Guardian for approval. The FXC/Guardian & Quality Assurance must approve any departures from purchase order requirements. Previous dispositions shall not be considered precedence for acceptability. FXC/Guardian Buyer and Quality Assurance requests the supplier to submit cause and corrective action on discrepancies related to an order.

Any material rejected by FXC/Guardian and resubmitted by supplier, shall be identified as re-submitted material and must reference the FXC/Guardian original rejection document and detail all actions taken to correct and prevent recurrence of the discrepancy.

QA - 08 CORRECTIVE ACTION REQUESTS

The supplier or the supplier's sub-tier suppliers shall respond to FXC/Guardian requests for corrective action within the timeframe (15 Days) specified and take timely and effective action to eliminate and prevent the root cause underlying deficiencies.

QA - 09 RECORD RETENTION

Supplier and Sub tier suppliers shall maintain verifiable objective evidence of all inspections and test performed, results obtained and dispositions of non-conforming articles. These records shall be identified to associated articles, including heat and lot number of materials, unit or lot serialization and made available to Customer and/or Government Representatives upon request and shall be retained in a safe, accessible location for a period of seven (7) years after

date of delivery or as defined in the contract. Supplier's records associated with the manufacture of serialized or lot-controlled articles will provide for continued traceability of serial numbers or lot number identification through all phases of manufacture, commencing with the raw material and continuing through final acceptance of the end item. Records held for the required retention period shall not be destroyed without FXC/Guardian's written concurrence.

Note: Supplier is to notify FXC/Guardian before disposing of these records regardless of specified retention time.

QA - 10 MATERIAL TRACEABILITY

For all parts, materials, and assemblies with traceability identification such as serial numbers, lot numbers, batch numbers, and date codes, the supplier shall maintain the traceability data from procurement through fabrication, assembly, test and delivery. The traceability data shall provide for the ready identification of suspect lots when individual items are found discrepant. Multiple lot/batch/date codes of detail items may be kitted for a range of component builds provided the supplier maintains applicable records that identify which lot/batch/date codes are in a single traceable component (preferred) or in a limited range of traceable component builds.

QA - 11 NO CHANGES WITHOUT APPROVAL

The Supplier shall notify FXC/Guardian prior to any changes to the suppliers or any sub-tier changes that affect purchase order requirements. A change is identified as any changes in company ownership, materials, configuration, process, sub-tier suppliers, inspection testing methods, techniques and/ or facility changes prior to the start of fabrication (notification is defined as a minimum of thirty (30) calendar days prior to change). Such changes or events may negate all previous FXC/Guardian supplier qualifications, certifications, approval status, and may require re-qualification or re-submittal of a First Article.

QA - 12 COUNTERFEIT PARTS PREVENTION

No supplier or distributor shall deliver (or use) any counterfeit parts or components to FXC/Guardian. A "counterfeit" part is defined as: "A part falsely represented in some manner, e.g., manufacturer, date code, lot code, reliability level, markings, etc." The term, "falsely represented" specifically includes any parts that have been reclaimed, previously used, or modified by other than an FXC/Guardian approved process.

The SELLER shall maintain a Counterfeit Avoidance Program that is in compliant with SAE AS5553. Furthermore, to enhance risk mitigation, the supplier shall maintain a procurement and inspection approach that is consistent with IDEA-STD-1010, as it relates to visual inspection and acceptance criteria.

Where seller is unable to supply OCM / OEM certificate of authenticity, seller shall arrange for the Inspection and Testing required by SAE AS5553 to authenticate the components. A Report of these efforts shall accompany each shipment made to FXC/GUARDIAN, where applicable.

QA - 13 SUBCONTRACTED SERVICES

Requested services are to be performed by the contracted supplier. Supplier is not permitted to flow down services to a Sub-tier without prior written approval of FXC/Guardian. If/when approved by FXC/Guardian, all FXC/Guardian requirements will be flowed down to the sub-tier supplier(s). The FXC/Guardian supplier is responsible for approving their sub-tiers, and for flow down of P.O requirements, as applicable. Supplier shall ensure sub-tier records are retained and reflect compliance with requirements. The FXC/Guardian supplier has sole responsibility for supplying product and /or services that meets the P.O requirements.

QA - 14 CALIBRATION SERVICES

Supplier test equipment calibration services must have a calibration system conforming to ANSI/NCSL Z540-1 or ISO10012, or 17025. Calibration procedures must be maintained which provide sufficient information for periodic calibration of measuring and test equipment (M&TE). A calibration report is required and as a minimum, shall include the following minimum information:

1. Date of Calibration
2. Specification(s) to which calibrated
3. Identification or serial number of the item to which the report pertains
4. Evidence of traceability for all calibrations performed to the National Institute of Standards and Technology (NIST).
5. Name and certification of the agency performing the calibration(s) if other than the supplier.

6. Results of calibration(s) performed including the initial (as received) and (as returned) measurements. The data shall include a statement of uncertainties (tolerances) or accuracy of standards used, including data for any out-of-tolerance conditions found.
7. Relevant environmental or other conditions under which the calibration was obtained and for which the stated tolerances are valid, as applicable.
8. Corrections which must be applied if standard conditions of temperature, gravity, air buoyancy, etc. are not met or differ from those at time and place of calibration, when applicable,
9. Each shipment shall be accompanied by one legible copy of an approved Supplier Certificate of Conformance.
10. Suppliers must return replaced parts to FXC/Guardian.

QA - 15 CERTIFICATE OF CONFORMANCE

Supplier shall provide a certification with each shipment to attest that the parts, assemblies, subassemblies, or detail parts conform to Purchase Order requirements. When applicable, the manufacturers, lot, heat, batch, date code, and/or serial number must appear on the certification. Certification must contain the following minimum information:

1. FXC/Guardian Purchase Order number
2. Part number
3. Revision Level
4. Name and address of manufacturing or processing location
5. Manufacturer's lot, heat, batch, date code, and/or serial number (if applicable)
6. Be signed and dated by an official of the company.

QA - 16 MATERIAL CERTIFICATIONS

Certifications for the materials purchased and shall be submitted with the product. Failure to submit certifications with material will be cause for rejection. Certifications shall list the following minimum information:

1. Supplier's name
2. FXC/Guardian Purchase Order number
3. Supplier part number, including dash and revision letter (if referenced on the PO)
4. Quantity
5. Lot number (manufacturer/heat/batch number)
6. Material type and specification number or an actual material certification traceable to the FXC/Guardian part and PO number.

Material certifications shall be maintained and traceable to raw materials; objective evidence provided upon request.

QA - 17 DELIVERABLE DOCUMENTS (Documented Information)

The applicable material test results, process/material certifications, objective evidence of inspection, shelf life dates etc., shall accompany material delivered to FXC/Guardian. Suppliers shall perform inspection, as necessary, to determine the acceptability of all articles under this Order. Failure to submit applicable documentation shall be cause for rejection. All articles submitted by Supplier under this Order are subject to final inspection and acceptance at FXC/Guardian.

QA - 18 AGE CONTROL MATERIAL

Products on this order are subject to Age Control. Suppliers shall submit documentation certifying the date of manufacture or date of shipment from the manufacturer whichever is used to determine shelf life. Upon shipment, shelf life remaining shall meet the minimum shelf life specified on the order. If no shelf life is specified, 75 percent of the shelf life shall be remaining on products on this order. Certification must contain the following minimum information:

1. FXC/Guardian Purchase Order number
2. Part number or manufacturer's product name or code
3. Manufacturer's name, lot, heat, batch, date code, and/or serial number (as applicable)
4. Date of manufacture
5. Date of shipment from manufacturer (as specified on Order)
6. Supplier name, and Supplier's point of contact

QA - 19 TEXTILE TESTING AND CERTIFICATIONS

Textile test reports and certifications are required for product shipped to FXC/Guardian under this order. All documentation must be traceable to the FXC/Guardian purchase order number and part number. Chemical and physical properties shall be included as applicable.

QA - 20 BARRY AMENDMENT

Supplier shall include a statement certifying that the materials produced and shipped to FXC/Guardian comply with the requirements of the Barry Amendment.

QA - 21 HEAT TREATING

Certifications for the heat treating of metals shall be supplied with material deliverable to FXC/Guardian. Heat number(s), Lot number(s) or other means of identification shall be used and shall be traceable to the FXC/Guardian Purchase Order number.

QA - 22 SURFACE FINISH

Certifications for cadmium plating, anodizing, painting etc., shall be supplied with material deliverable to FXC/Guardian. Run number(s), Lot number(s) or other means of identification shall be used and shall be traceable to the FXC/Guardian Purchase Order number.

QA - 23 GOVERNMENT CONFORMANCE VERIFICATION REQUIREMENTS

Government, Customer or Regulatory Agency reserves the right to inspect any or all of the work included in this Purchase Agreement at the supplier's plant prior to shipment. Verification by the customer shall not absolve the supplier of the responsibility to provide acceptable product, nor shall it preclude subsequent rejection by customer. FXC/Guardian will notify the supplier by inclusion of this clause in the purchase order, if Government, customer or regulatory agency inspection is required. Mandatory Government Conformance Verification action is required at your plant for the parts manufactured for this contract. Upon receipt of this contract, immediately contact your local Defense Contract Management Agency (DCMA) Quality Assurance Representative for compliance.

QA - 24 SHIPPING DOCUMENTS

Supplier shall furnish commercial shipping documents or Packing List/Invoice, capable of being reproduced and showing the following minimum information:

1. P.O. Number
2. Part Number(s)
3. Description
4. Qty ordered
5. Qty shipped
6. Lot/Date Code/serialization (as applicable)
7. Any handling constraints

QA - 25 FIRST ARTICLE INSPECTION

Supplier shall perform 100 percent inspection and record attribute data for the first article in accordance with AS9102. If the deliverable is an assembly, this inspection shall also include all the piece parts that make up the assembly. The inspection records and data shall be per AS9102 and shall identify each characteristic and feature required by design data, the allowable tolerance limits, and the actual dimension measured as objective evidence that each characteristic and feature has been inspected and accepted by the Supplier's quality and inspection function. When testing is required, the parameters and results of the test shall be recorded in the same manner.

The First Article(s) shall be produced on production equipment and using processes which will be utilized on production runs. Additionally, the Supplier shall perform additional First Article Inspection(s) per the requirements of AS9102 (i.e., following every major tooling, every design change, and after any evident quality degradation for a specified part or article).

Records of all first article activity shall be documented as required by AS9102 and treated as quality/acceptance records and made available to FXC/Guardian or its customer if requested. The First Article Inspection Report must show evidence of acceptance by the Supplier's quality assurance representative.

QA - 26 SPECIAL PROCESS CERTIFICATIONS

Suppliers and/or their sub-Suppliers performing any processes listed on the purchase order, referenced drawing, or specifications must provide separate certifications for each special process. Each shipment shall be accompanied by one legible copy of a signed Supplier Certificate of Conformance that identifies the processes performed to specification, or sub-tier supplier certification, as applicable. The certificate shall include the following as a minimum information:

1. Supplier's name and address
2. FXC/Guardian P.O. Number
3. Part number, including dash and revision letter
4. Quantity
5. Lot number, batch numbers, or serial numbers, as applicable
6. Process name and specification number with type and class
7. Name and address of sub tier supplier that performed the process, if other than the supplier.

QA - 27 RAW MATERIAL CERTIFICATION

The seller shall provide with each shipment, a Certificate of Conformance for the raw material supplied or used in the parts supplied. The C of C shall be from the original raw material supplier and include original supplier lot number, material specification, tests conducted, and any other relevant information needed to identify the raw material. Acceptable examples include foundry report, mill report, dimension/ description, temper/hardness, alloy and condition. The supplier shall maintain the original mill certification and any secondary independent test laboratory certification(s) if any additional process was done after original mill certification. Certifications for metallic material shall include physical properties, chemical analysis and lot number(s). In the event the seller procures the Purchase Order items from a source other than the original raw material supplier, acquisition traceability shall also include supplier/distributor documentation for each supplier/distributor in the supply chain. The certificate shall contain the following minimum information:

1. Supplier's name
2. FXC/Guardian Purchase Order (PO) number
3. FXC/Guardian and/or supplier part number, including dash and revision letter (if referenced on the PO)
4. Quantity
5. Lot number (manufacturer/heat/batch number)
6. Material type and specification number or an actual material certification traceable to the FXC/Guardian part and PO number. Material certifications shall be maintained and traceable to raw materials; objective evidence shall be provided upon request.

QA - 28 TEST DATA

One copy of the Supplier's or sub-tiered supplier's test data, identifiable to the material or items supplied, shall accompany shipment and shall reference the FXC/Guardian Purchase Order number, the tests performed, the lot number and serial numbers (as applicable), and the applicable specification. All test data, qualifications and acceptance test reports shall meet FXC/Guardian P.O. requirements, as applicable and be kept on file at the seller's facility for a minimum of 5 years or as required by the Purchase Order.

QA - 29 SERIALIZATION

Each line item carrying this QA code shall be identified by serial number as required in the Purchase Order, drawing, and/or specification. No duplication of serial numbers is allowed. The supplier shall assign serial numbers unless provided by FXC/Guardian in the purchase order. The material for all serialized items shall be traceable to their source. This requirement applies to all sub-tier suppliers.

QA - 30 MANUFACTURING LOT OR BATCH NUMBER

All parts, materials, and/or applicable documents shall be identified by the supplier with a lot number, date lot code, batch number, heat number, heat code, heat lot number or melt number. Where it is not practical to mark the part, the smallest container package shall be marked or tagged with the above data. All applicable documents (chemical and physical reports, certifications) shall include the above required identification, as well as a reference to the FXC/Guardian Purchase Order Number.

QA - 31 PACKAGING, HANDLING, AND LABELING

The Supplier shall provide packaging that maintains the quality of the fabricated item and prevents damage, deterioration, substitution or loss in transit. The Supplier shall label the exterior of the package to ensure adequate identification of precautions needed to ensure the integrity of the product being shipped. The Supplier must specify the handling and shipping methods that ensure proper and on-time delivery without damage to the product. The Supplier shall ensure that special labeling requirements shall also be listed in the appropriate shipping documents and on each package.

QA - 32 HAZARDOUS MATERIALS

Materials delivered against this order shall include a Safety Data Sheet (SDS). Failure to provide this data can result in delayed material acceptance.

QA - 33 WORKMANSHIP

Assembled CCA's shall comply with workmanship criteria of IPC-A-610 and J-STD-001, class specified by the drawing, Technical Data Package and/or purchase order.

QA - 34 FOD (Foreign Object Debris)

The supplier shall maintain a Foreign Object Debris / Damage prevention program using the guidelines of the National Aerospace Standard NAS-412.

QA - 35 CONTROL OF ELECTROSTATIC DISCHARGE (ESD)

For electrical and electronic parts susceptible to damage from Electrostatic discharge (ESD), the supplier is responsible to establish and implement an ESD Control Program per the latest revision of one of either Mil-Std-1686, JESD-625, ANSI / ESD S20.20 or equivalent. The supplier shall take the necessary precautions to ensure that static susceptible devices are adequately protected from ESD damage during manufacturing, test, inspection, storage and shipping

QA - 36 FLOWDOWN OF REQUIREMENTS (DFARS 252.225- 7014 (ATTACHMENT 2))

When required by contract or PO, raw material or items which contain "specialty metals" (defined as certain steel and other alloys, titanium, and zirconium) shall be acquired from domestic or "qualifying country" sources.

QA - 37 FLOWDOWN OF REQUIREMENTS (NADCAP)

NADCAP Approved Process Source - When specified by contract or PO, the requirement for processing by NADCAP approved suppliers shall be flowed down to the supplier.

QA - 38 SOURCE INSPECTION

FXC/Guardian Parachute Quality Assurance department reserves the right to perform on-site inspection at the supplier's facility to verify the conformity of purchased product before it is shipped to FXC/Guardian Parachute. Examples of source inspection may include conformity inspection, final inspection, first article inspection, sampling inspection, in-process inspection, and test witnessing. Source inspection may also be used to verify corrective actions implemented by the supplier based off of past non-conformance history.