

Supplier Quality Requirements

All requirements listed herein are applicable unless otherwise specified on the Purchase Order.

Code	Title	Description
SQR-001	Certifications of Conformance & Material Certifications	<p>The following requirements must be met for items to be accepted under the Purchase Order:</p> <ul style="list-style-type: none"> • The supplier must submit the necessary certifications and documentation along with each shipment providing traceability to origin. • Each shipment must include a certificate of conformance signed by the authorized designee. • The supplier must provide all material certifications, including test results and special process certifications, upon delivery. <p>Certifications shall include:</p> <ul style="list-style-type: none"> • FEC Purchase Order number, part number, and revision letter (unless specified otherwise on the purchase order), quantity, and, if applicable, serial numbers. • When multiple lots of material are used in completing a shipment, do not mix the parts and report all material lot numbers or mill heat numbers. • When processing is performed against an FEC job order, do not mix the parts and maintain traceability to the work order. • Material or process specifications should be included. • Provide the manufacturer's name, address, Country of Origin, and Date.
SQR-002	Raw Material Certifications	<p>For raw material shipments or when the material is supplied by the supplier, the following certifications are required with each shipment:</p> <ul style="list-style-type: none"> • Physical and chemical test report certifications. • Test reports must be legible and include the material designation, specification, and revision letter. • Results of all specified testing requirements. The mil heat number and any other requirements specified on the Purchase Order. • The material must be certified to the latest revision in effect at the time of shipment and must be traceable to the material.
SQR-003	Inspection Sheets and Test Reports	<p>With each shipment, the Supplier shall submit applicable inspection reports, data sheets, test reports, etc., as applicable. Reports shall be identified with the applicable drawing/specification number, revision, FEC Purchase Order number, and the Supplier's lot identification number.</p> <ul style="list-style-type: none"> • Inspection Reports shall cover all physical and dimensional characteristics for the item as called out on the drawing or in the applicable specification. The Supplier shall report the actual dimensions of each part inspected. The inspection results shall be traceable to the product. • Test reports for special tests such as vibration, shock, rain, sand and dust, pressure, environmental, EMI, ATP and others shall be supplied by the Seller. • When Destructive Testing Analysis (DTA) report is required. The Supplier is to permanently identify the parts that have gone through DTA and are no longer suitable for intended use. The tested parts shall be delivered to FEC.

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		NOTE: Out-of-tolerance dimensions must be identified in an inspection report. The Supplier must not deliver parts that are out of tolerance to FEC without approval from FEC.
SQR-004	Preservation & Packaging	Unless special packaging requirements are referenced in the Purchase Order, the supplier shall use best commercial practices for preservation and packaging of articles supplied to FEC and shall identify each package with the Purchase Order number, date shipped and packing sheet number. Unless otherwise specified, the following packaging materials are prohibited: staples, loose fill (e.g., Styrofoam peanuts), untreated cardboard and paper.
SQR-005	Surveillance / Access / Audits	FEC and its customers, such as the US Federal Government and its Prime Contractors, have the right to access quality system documentation, conduct audits, witness inspections and tests, and review corrective actions. They may also survey and perform surveillance at any level of the supply chain to assess compliance.
SQR-006	Changes	Suppliers are not allowed to make any changes to the specifications, drawings, or purchase order requirements without supporting documents from FEC. Prior notification and approval from FEC is required for any changes to the process or product by suppliers and distributors. Change requests must be submitted to FEC via email (Quality@feccables.com) or any other method that allows for the identification and acknowledgment of an electronic copy of the change request. This requirement applies to all sub-tier suppliers as applicable.
SQR-007	Non-conforming Material Control	Supplier shall have documented internal systems or processes that includes provisions to identify, segregate, and control nonconforming material to ensure that nonconforming material is not shipped to FEC. Supplier shall notify FEC immediately when the Supplier has found a nonconforming condition of materials or services already delivered to FEC. Supplier is NOT granted Material Review Board (MRB) authority for any FEC Purchase Orders unless specifically authorized in a written Letter of Delegation from FEC. Supplier is NOT authorized to build hardware 'at its risk' by obscuring or altering nonconforming conditions.
SQR-008	Discrepancies	Any deviations from established drawing or specifications intended for shipment must be reported to FEC buyer immediately. No deviations will be considered approved without written confirmation from the buyer. Repairs are not to be undertaken without prior written approval from the buyer. Unless otherwise specified in this Purchase Order, the Supplier and/or any of their Suppliers/Subcontractors DO NOT have authority to process "USE-AS-IS", "REPAIR", "STANDARD REPAIR PROCEDURES (SRPS)" or "NON-SRPS" via their Material Review Board (MRB). These dispositions, as well as deviations and request for waivers, requiring MRB disposition shall be submitted to FEC for approval. This does not include REWORK or SCRAP. The Supplier/Subcontractor shall utilize its appropriate nonconforming material disposition form and submit it to the Buyer for FEC approval.
SQR-009	Corrective Action	Acceptance of this Purchase Order obligates the supplier to perform, upon request, a Corrective Action investigation when discrepant material is received at FEC. A written report shall be furnished, within a stipulated time

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		period, which is specific and conclusive to prevent a recurrence of the discrepancy.
SQR-010	GCAR Notification	Supplier shall notify FEC if a U.S Government Corrective Action Request (GCAR) is received by the Supplier or its sub-tier Supplier on materials, services, or systemic nonconformances related to any FEC Purchase Order. A copy of the GCAR shall be provided to FEC within 5 business days of receipt by the Supplier.
SQR-011	Identification	When applicable, the seller shall assign a common lot number to all items in a specific manufactured lot. The traceability of items shall be by lot number. Alternatively, when specified, the Supplier shall identify individual serial numbers for all items shipped to FEC, and these shall appear on the certification.
SQR-012	Counterfeit Material Avoidance	The Supplier shall supply material directly from OEMs or OCMs or from Authorized Distributors of OEMs or OCMs. The Supplier is not authorized to deliver any items procured from sources other than OEMs or OCMs, or their Authorized Distributors without prior written authorization. Supplier shall utilize SAE AS5533 as a guideline to prevent counterfeit parts. This shall be flowed down to all sub-tier suppliers as applicable. Any product that cannot be verified as authentic with Manufacturer will not be returned to the seller but will be treated as counterfeit and governmental oversight will be final determination.
SQR-013	Approved Suppliers	As required, FEC "Approved Suppliers" are responsible for maintaining a list of their approved suppliers and shall have it available upon request for review by FEC. Information shall include name, address, nomenclature of parts or services provided, part numbers and other pertinent information requested by FEC. Suppliers shall only purchase aircraft related parts from their suppliers which are controlled by FEC by approval or inspection.
SQR-014	Approved Source Materials	All materials used in fulfillment of this order must be supplied by a supplier approved by FEC unless specifically authorized in writing.
SQR-015	Buyer Furnished Materials	When FEC furnishes material, the Seller's System shall provide for the following: <ul style="list-style-type: none"> • Examination upon receipt for transit damage, • Verification of quantity, • Storage against damage, • Improper use or disposition. <p>The Seller must furnish certification that the parts used were those furnished by the Buyer and no un-authorized substitution was made.</p>
SQR-016	FOD Prevention	The supplier shall establish and maintain an effective Foreign Object Damage/Debris (FOD) Prevention Program in accordance with NAS412 to reduce/prevent FOD. Supplier shall inspect product prior to shipment for FOD. Material is to be packaged and shipped in a manner such that it prevents FOD from contaminating the product. This shall be flowed down to all sub-tier.

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SQR-017	Awareness	FEC reserves the right to require and request evidence that Suppliers ensure their personnel are aware of: (a) Their contribution to product or service conformity; (b) Their contribution to product safety; and (c) The importance of ethical behavior.
SQR-018	Quality Management System	Supplier shall provide and maintain a quality system that complies with the requirements of ISO9001 or AS9100, unless otherwise directed by FEC. Immediate notification is required in case of non-compliance to Quality System Requirements, e.g. loss of third-party certification.
SQR-019	Movement of Work	The Supplier agrees that the manufacturing and/or fabrication of Work being delivered under this Purchase Order will not be moved to another production facility without the express written approval of FEC.
SQR-020	Approved Inspection Plan	When requested, suppliers shall submit a detailed inspection plan to FEC for approval before manufacturing begins. Supplier inspection shall be in accordance with the FEC approved inspection plan for the part number ordered.
SQR-021	Shelf-Life Data	When requested, suppliers shall submit a detailed inspection plan to FEC for approval before manufacturing begins. Supplier inspection shall be in accordance with the FEC approved inspection plan for the part number ordered. Items will not be accepted by FEC where shelf life remaining is less than 75% of total shelf life.
SQR-022	Special Processes	Special Processes include Plating, Surface Finishes/Conditioning, Hardware Painting, Heat Treat, Non-Destructive Testing, Welding/Brazing, and Soldering. Supplier and any sub-tier supplier that performs Plating, Surface Finishes/Conditioning must be approved by NADCAP for the process to be performed. Supplier shall provide FEC with proof of NADCAP approval. Piece parts, components and/or assemblies that are manufactured in accordance with a Military, Federal or Commercial Specification or Commercial Off-The-Shelf (COTS) Part Numbers are exempt from this NADCAP approval requirement. Otherwise, including all other special processes, Supplier shall notify and obtain approval from FEC prior to processing of materials.
SQR-023	Prohibition of Pure Tin	The use of pure tin-plated finishes is strictly PROHIBITED. Any tin plating or solder processes shall contain no less than 3 percent lead composition. This shall be flowed down to all sub-tier suppliers as applicable.
SQR-024	Prohibition of Mercury	All materials delivered against this order shall not contain, and shall not have come in contact with, the element Mercury or Mercury compounds known to be chemically or thermally unstable. This shall be flowed down to all sub-tier suppliers as applicable.
SQR-025	Conflict Mineral Policy	Supplier and its sub-tier Supplier shall use commercially reasonable efforts to identify whether any material on this PO contains Tantalum, Tin, Tungsten or Gold and conduct a reasonable country of origin inquiry regarding the origin of such minerals in the material to determine whether such minerals (or the smelter of such minerals) originated in covered countries, as defined in section 1502 of the Dodd-Frank wall street reform and Consumer Protection Act. Supplier shall provide FEC with reasonable documentation of its due diligence efforts when requested by FEC to enable disclosure to The Securities and Exchange Commission.

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SQR-026	Silver Plated Copper Corrosion "Red Plague"	Suppliers should take all steps necessary to prevent and detect the formation of corrosion (Red Plague) on wires per SAE ARP6400. This shall be flowed down to all sub-tier suppliers as applicable.
SQR-027	DFARS Compliance	All materials supplied to The First Electronics Corporation (FEC) must be compliant to DFARS 252-225-7014.A1T.1 Specialty metals and DFARS 252.225-7007 Prohibition on Acquisition of Munitions List from Communist Chinese Military Companies. DFARS 252.204-7008 Compliance with Safeguarding Covered Defense Information Controls': Supplier shall indicate whether deviation from any of the security requirements in the National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171, 'Protecting controlled Unclassified Information in Non-Federal Information Systems and Organizations, http://dx.doi.org/10.6028/NIST.SP.800-171 that is in effect is anticipated in the performance of the purchase order by the Supplier and any sub-tier supplier(s). DFARS 252.239-7009 'Representation of Use of Cloud Computing': Supplier and its sub-tier suppliers shall indicate whether the use of cloud computing is anticipated in the performance of the purchase order.
SQR-028	Export / Import Controls (ITAR)	Supplier shall control the disclosure of, and access to, technical data, information, and other items including hardware received under this purchase order in accordance with U.S. export control laws and regulations, including but not limited to the International Traffic in Arms (ITAR) and the U.S. Department of Commerce, Bureau of Industry and Security (BIS), and Export Administration Regulations. Contact FEC Purchasing for clarification or applicability if necessary.
SQR-029	Calibration and Calibration Services	Suppliers shall maintain a calibration system in compliance with either ISO/IEC 17025 or ANSI/NC SL Z540 and be traceable to the National Institute of Standards and Technology NIST. Calibration services shall provide certifications of calibration that document conformance to this requirement. If any measuring equipment is found to be out of tolerance, "As Found, As Left" data shall be included.
SQR-030	Record Retention	Supplier shall retain all records needed to show conformance to Purchase Order requirements for each shipment (material, manufacturing processes, special processes, testing, inspection, etc.). Records shall remain legible, readily identifiable, and retrievable for a period of 10 years after completion of the Purchase Order or for longer periods as required by law or otherwise specified on the purchase order. Supplier shall notify FEC prior to destruction. Supplier shall provide FEC, our customers, and regulatory authority access to all applicable records.
SQR-031	Source Inspection	When identified on the purchase order, Source Inspection shall be conducted by FEC at the Supplier's facility or where designated in the Purchase Order prior to shipment. Inspection/test of the items shall be performed by the Seller and shall be subjected to witness by FEC. FEC shall elect to do 100% or sample of the units. If sample is elected, the sample will be selected by FEC. Seller shall have available and present upon request, documented evidence of in-process and/or final inspection/test data. Required documentation for

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		shipment must be completed and signed by its Quality Assurance Manager, or authorized designee, and available for FEC review.
SQR-032	Government Source Inspection	When identified on the purchase order, Government Inspection is required prior to shipment from your facility. Upon receipt of this order, promptly notify the Government Representative normally servicing your facility so that the appropriate planning can be accomplished. If a government representative does not service the Suppliers' facility, notify the nearest Defense Contract Administrative Office for directions, or FEC.
SQR-033	First Article Inspection	<ul style="list-style-type: none"> • A First Article Inspection is required with the exemption of Commercial off the Shelf (COTS) items. • First Article Inspections (FAI) shall be performed in accordance with SAE AS9102 per the revision level in effect at the time of purchase agreement (FEC will assist with guidance for completion where necessary). <ul style="list-style-type: none"> ○ A new full FAI is required on new parts. A new or Delta FAI is required when there is: <ul style="list-style-type: none"> ○ A change in the design characteristics affecting fit, form, or function of the part. ○ A change in manufacturing source(s), process(es), inspection method(s), location of manufacture, tooling, or materials that can potentially affect fit, form, or function, ○ A change in numerical control program or translation to another media that can potentially affect fit, form, or function, ○ An natural or man-made event, which may adversely affect the manufacturing process, ○ A implementation of corrective action required to complete a previous FAI, as described in section 4.4 of the AS9102 requirement. ○ A lapse in production for two years shall require an update for any characteristics that may be impacted by the inactivity. This lapse is from the completion of the last production operation to the actual restart of production. • FAI results shall be quantitative for dimensional parameters where possible. FAI results of pass or fail for dimensional parameters may not be accepted where reasonable technology exists to measure these parameters. • In the case of raw material, a Material Test Report showing the material's chemical and mechanical properties is required. • Material requiring a new or Delta FAI shall NOT be shipped to FEC without prior authorization. <p>To obtain authorization, email the FAI Report and accompanying certification(s) to Quality@feccables.com. Please indicate 'FAI REPORT for P/N XXXXX' in the e-mail subject line (also include the word 'CHELSEA' if the PO is issued from the FEC Chelsea location).</p>