

**SCOPE**

Outlines the specific supplier quality requirements that apply when one or more of the following Quality clauses are specified by alpha numeric code on CONNECTEC Subcontract/Purchase Orders. These requirements are supplemental to those set forth in any other contracted document. The provisions indicated herein are an integral part of the applicable Purchase Order.

The inclusion of a product on a Government Qualified Products List, Approved Vendor List or the requirements of these clauses does not relieve the Seller of his responsibility for furnishing materials/services that meet all specification requirements or for performing specified inspection and tests for such materials/services. In the event that materials and/or services are found to be non-conforming, CONNECTEC and its customers shall have the right to reject them.

**REQUIREMENTS****Q010 Certificate of Conformance**

The supplier shall provide written certification that the article(s) delivered under this purchase order have been inspected and are in compliance with all requirements, applicable drawings, specifications, terms and conditions of the purchase order. The certificate shall contain at the minimum:

1. CONNECTEC part number and revision and purchase order number.
2. Indication of applicable specification(s), when noted on the purchase order. Seller shall assure the latest revision of applicable drawings and specifications are followed, unless otherwise agreed upon and documented.

In addition, the supplier must state in the certificate that objective evidence sufficient to substantiate the Certificate of Conformance is on file and is available for CONNECTEC review. The Certificate of Conformance must be signed by a duly authorized representative of the supplier's quality function. One (1) reproducible copy of the Certificate of Conformance shall be supplied to CONNECTEC concurrent with each delivery of article(s). Certificate of Conformance from distributors shall also comply with all of the above requirements.

**Q020 Quality Program Requirement**

The supplier shall have established and maintain a quality system that is in compliance with the requirements of ISO-9001 standards or equivalent. Records of quality system shall be made available to CONNECTEC upon request.

**Q030 Calibration System Requirement**

The supplier shall establish and maintain a system of adequate calibration of inspection and test equipment in compliance with MIL-STD-45662 or ISO-10012-1 or latest specifications. Records of calibration shall be made available to CONNECTEC upon request.

**Q040 Certified Test Report Package (Inspection and Certifications)**

Supplier shall provide a Certified Test Results Report which identifies the test/inspection requirements and results for each property/characteristic from the drawings, specifications, engineering drawings and/or Purchase Order requirements. This Report shall also include all required certifications (material, tests and/or processes) as required. A Certificate of Conformance shall be provided with all necessary information including date and signing by a duly authorized representative of the supplier. Records must be maintained in file and a copy of this Certified Test Report must accompany every shipment to Connectec.

**Q050 Government Source Inspection required at Supplier facility**

Government source inspection is required prior to shipment from Supplier facility. Upon receipt of this order, promptly notify the Government Representative who normally services your facility so that appropriate planning for Government Source Inspection can be accomplished. In the event the representative or office cannot be located, the CONNECTEC Buyer should be immediately notified. No items are to be shipped without government inspection approvals. Evidence of such approval shall be indicated on the shipping documents.

**Q060 Right of Entry**

Connectec, their representatives, Customers, government QAR and other regulatory agencies shall have "Right of Access" to sub-contractors facilities and/or quality records for the purpose of Audit, Surveillance and/or Verification of Quality of work, Documentation or Material. The Supplier shall insure that this requirement is also flowed to their Sub-Contractors.

**Q070 Approved Sources**

Connectec and subcontractors shall use only Approved acquisition or process sources as listed per drawings, specifications and/or contract requirements.

**Q080 Defense Priorities Allocation System (DPAS)**

This is a rated order for National Defense use, and your company is required to follow all provisions of the Defense Priorities Allocations System Regulation. The Defense rating must be flowed to all sub-tier suppliers.

**Q090 Government Source Inspection at Connectec facility**

Items covered in this contract will be subject to Government Source Inspection at Connectec facility.

**Q100 First Article Inspection – Source and/or Customer FA Inspection Approval**

First Article Inspection is required on this purchase order. This can consist of source inspection verification of the first deliverable article produced for delivery under this purchase order. The supplier shall furnish the following information at the time of first article samples required per purchase order for inspection:

1. Complete material, chemical and physical properties and/or process certifications, as required.
2. Appropriate facilities, including equipment and personnel adequate to demonstrate conformance of the article to requirements of the purchase order.
3. Copy of supplier's First Article Inspection Record, listing variable's data obtained during the supplier's first article inspection along with a Certificate of Conformance with all necessary information including date and signing by a duly authorized representative of the supplier.

First Article Source Inspection performed at CONNECTEC facilities may also require Final Acceptance of samples to be inspected at government approved facilities. The supplier shall obtain written acceptance from Connectec Buyer of the first article approval prior to further shipment(s). Records of this FA documentation provided by the vendor must be maintained in file for at least three years at the supplier's facility.

**Q105 Initial Production Inspection – First Article / Connectec required approval**

First Article Inspection on this purchase order will be performed at Connectec facility. This shall consist of a specified quantity of first article samples to be submitted to the Buyer at Connectec; inspection verification of the first deliverable article produced for delivery under this purchase order will be performed by Connectec Quality Control or an approved Connectec supplier lab. All required material, first article inspection to show conformance with requirements and process documentations must be submitted to Connectec along with first article samples. The supplier will be notified by CONNECTEC's cognizant Buyer of the approval or rejection of the first article samples prior to further shipment(s).

**Q110 Chemical/Physical Test Reports**

All material delivered under this purchase order shall be accompanied by chemical, physical and/or metallurgical test reports which substantiate conformance to the specification requirements. The supplier shall also maintain on file for a period of three (3) years, a copy of this test report.

**Q120 Limited Shelf Life Materials**

The supplier shall identify all materials and articles which have definite characteristics of quality degradation with age and/or environment. The supplier shall supply this information on the container or accompanying documentation. This identification shall indicate the date useful life was initiated and the date and/or cycle at which the useful life will be expended. When environment is a factor in determining useful life, the identification shall include the storage conditions (i.e., temperature, humidity, etc.) required to achieve the stated life. A minimum of 85% of the applicable material/article shelf life shall remain upon receipt of the material by CONNECTEC or the material is subject to rejection and return to the supplier. The shelf life start date shall be the date of shipment (DOS) from the manufacturer or as otherwise specified by the manufacturer.

**Q130 Buyer Furnished Material — Certification**

Specific material, furnished by CONNECTEC, shall be utilized in the production of items required by this purchase order. Additional quantities of such material, if required, shall be obtained only from CONNECTEC. No such material other than that furnished by CONNECTEC shall be used.

**Q140 Serialization**

The supplier is required to identify each individual unit/item delivered to CONNECTEC with a unique identifying number (serial number). This number shall be sequential and shall not be repeated within a part number grouping. For further instructions contact the Buyer for specific information to be serialized if required by contract specifications.

**Q150 Workmanship for Electronic components**

The materials and workmanship shall conform to the latest revision of MIL-STD-454, Requirements 5 and 9, as a minimum or ANSI J-STD-001 and IPC-610. Workmanship requirements not normally covered in MIL-STD-454 or ANSI J-STD-001 and IPC-610 shall conform to workmanship standards supplied by CONNECTEC, or equivalent.

**Q160 Piece Marking — Manufactured Parts**

Manufactured parts shall be permanently and legibly marked per MIL-STD-130 with the appropriate manufacturer's name or symbol, part number and any other marking information called out on the attached drawings. Per our contractual requirements with our customers the Cage Code marked on parts should be 0EFR2. For small parts, to be supplied separately, where space is insufficient to mark, per the above, bagging or tagging will be accepted.

**Q170 Packaging Requirements**

Supplies delivered on this purchase order shall be packed, packaged, and preserved in a manner to assure physical protection from damage and deterioration during normal handling, shipping or storage. Best commercial practices shall be used. If instructed in the purchase order packaging shall meet applicable military packaging requirements.

**Q180 Special Process Certification**

Special processes are defined as chemical, metallurgical, and other types of processes for which the quality and integrity of the product cannot be adequately demonstrated by other than destructive test. Included in the category of special processes are nondestructive methods of evaluating the product other than normal mechanical dimensional inspection. Special process certification defined by this clause shall be accomplished prior to use in the production of items to be delivered under this purchase order. The supplier shall be responsible for required certification of special processes, personnel, and equipment notwithstanding any statement contained in the process specifications which indicates that CONNECTEC is responsible contractually for such certification. Conformance of deliverable items to all requirements of this order shall remain the responsibility of the supplier. Objective evidence of certification, qualification, and control shall be available at the supplier's facility and shall be furnished to CONNECTEC upon request.

**Q190 Static Sensitive Materials (ESD for Electronics)**

The following requirements apply to materials, devices or assemblies capable of being degraded, damaged or destroyed by static electrical discharge. All items shall be preserved, packaged and packed in such a manner as to preclude their exposure to the generation or discharge of static electrical potential. Packaging shall be clearly marked or labeled to indicate that the contents are subject to damage or degradation by static electricity. A distributor's system for Electrostatic Discharge Sensitive (ESDS) device protection shall be in compliance with JEDEC publication No. 108 (latest revision).

**Q200 Statistical Process Control**

This order has been selected for Statistical Process Control. Variable data for each part checked shall be identifiable to the part checked. Key Characteristics must be reported on the first twenty (20) parts and/or as agreed upon frequency thereafter

**Q210 Approved Process Sources**

One or more processes shall be performed only by Approved Suppliers for these processes, based on contract prequalification or Customer requirements. This process of verification must be performed by government approved representative at supplier's facility. All documentations, including Purchase Order and certifications must have proof of QAR verification prior to being submitted with parts back to Connectec.

**Q220 Circuit Card Requirements**

Circuit Card Assemblies shall be manufactured to J-STD-001 Class 3 requirements.

**Q230 Government Property Control**

This Purchase Order is subject to Government Property/Tool Control compliance in accordance with FAR 15 (Government Property) requirements. The Contractor in possession of Government Property shall adequately care for and maintain that property and assure that it is used only as authorized by the contract. The Property shall not be transferred without prior notification and approval by CONNECTEC and/or its customer in writing. Records must be maintained in file for at least three years and evidence presented to government and/or CONNECTEC upon request.

**Q240 Domestic Specialty Metals**

Materials identified on this purchase order shall be melted in the United States or a qualifying country. Specialty metals are defined in the Defense Federal acquisition regulation Supplement Clause 252.225-7014, Preference for Domestic Specialty Metals, Alternate 1 applies. Qualifying countries are listed in 225.872-1 (a). Exceptions must have written approval, as applicable, by Connectec and its customers.

**Q250 ITAR Regulations and Arms Export Control Act**

This document, which includes any attachments and exhibits hereto, may contain information subject to International Traffic in Arms Regulation (ITAR) or Export Administration (EAR), which is prohibited to be exported, released, or disclosed to foreign nationals, inside or outside the United States, without first obtaining an export license, having ITAR exemption or with approval from the US Department of State.

**Q260 Counterfeit parts, Prevention and Control Plan**

Vendor shall establish and maintain a prevention and control plan for counterfeit parts and material using industry standards AS6174 and/or AS5553 as guidelines. The purpose of the plan shall be to prevent the delivery of counterfeit parts and material, and control parts and material identified as counterfeit.

**Q270 FOD Prevention**

Vendor shall maintain a FOD prevention program and **shall ensure that FOD** requirements are flowed down to Vendor's subcontractors at every tier.