



## Special Purchase Order Quality Code Provisions

The following quality code provisions, with EMTEQ's Standard Purchase Order Terms and Conditions (QAF-QCFM-15) become an integral part of the Purchase Order. The following codes correspond to the referred Codes shown on the Purchase Order:

### **C(x) Codes**    **Certification / Test Report Provisions**

- C1      FAA 8130-3 Certificate or equivalent is required to accompany the part(s) at shipment.
- C2      Material Certification is required to accompany the part(s) with shipment.
- C3      Plating Certification is required to accompany the part(s) with shipment.
- C4      Special Process Certification is required to accompany the part(s) with shipment.
- C5      Test Reports required with shipment.
- C6      Raw Material Process Certification and Test Reports required with shipment.
- C7      Submit with each shipment, certification of solder composition as specified in ANSI-J-STD-006.
- C8      Spot-weld per Mil-W-6858 Class C.

### **D(x) Codes**    **Distributor Provisions**

- D1      Material certifications and/or inspection/test data must be maintained at Distributor's facility and furnished to EMTEQ upon request.
- D2      Material to be identified and traceable to manufacturer's part number, lot number, date code for all electronic and electrical parts, raw material, mechanical machined parts, ect.
- D3      Original Manufacturer's Certificate of Compliance is required with shipment.
- D4      Distributor's Certificate of Compliance must identify the original manufacturer and lot number for traceability. The original manufacturer's Certificate of Compliance must be maintained by the Distributor for a minimum of 10 years and be available upon EMTEQ's request.
- D5      All fasteners and/or electrical, electronic and electro-mechanical parts delivered and/or used in the manufacture of deliverable products shall be from the Original Component Manufacturer (OCM)/ Original Equipment Manufacturer (OEM) or their franchised dealer or an authorized distributor chain. Parts shall not be used or reclaimed and misrepresented as new. Parts shall not be acquired from independent distributors or brokers unless specifically authorized in writing by EMTEQ. The

supplier shall flow this requirement down to all sub-tier suppliers to prevent the inadvertent use of counterfeit parts and materials.

**E(x) Codes**      **Electrostatic Discharge Provisions**

- E1      Parts to be ESD controlled per MIL-STD-1686 (Latest Revision).
- E2      Suppliers required to have an ESD Control Program Plan - recommended guidelines per MIL-HDBK-263.
- E3      Electrostatic discharge sensitive materials must be packaged in the proper protective packing, identified with the proper ESD labels, and receiving paperwork must not be placed inside the ESD bags with the components.

**F(x) Codes**      **FAR / DFAR Flow down Provisions**

- F1      Seller must comply and flow down DFAR clause 252.225-7014: Preference for Domestic Specialty Metals (latest Rev) and Alternate 1 (latest revision).

**H(x) Codes**      **Hazardous Material Provisions**

- H1      If the material supplied is either toxic or hazardous or both as defined by applicable law, code statute or regulation, it must be accompanied with a Material Safety Data Sheet (MSDS).

**I(x) Codes**      **Inspection Provisions**

- I1      Supplier is to provide First Article Inspection documentation to AS9102 Standard (Latest Revision) with shipment. The First Article piece should be tagged as such.
- I2      Supplier is to provide a 100% dimensional First Article Inspection documentation with shipment. The First Article piece should be tagged as such.
- I3      Supplier shall provide calibration services that are fully compliant with the requirements of ANSI/NCSL Z540-1, including a certificate of calibration that contains information required by ANSI/NCSL Z540-1.

**K(x) Codes**      **Packaging Provisions**

- K1      Packaging to meet requirements of ATA-300.

**L(r) Codes**      **Lockheed Martin Provisions**

- L1      Processing to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order and must be accomplished in accordance with process specification(s) on this purchase order and the revision in effect as of the date of this PO of Lockheed Martin Aeronautics Company Appendix QJ. All requirements of such Appendix QJ paragraph 12. a. – f. shall be accomplished. Appendix QJ is located at <http://www.lockheedmartin.com/material-management/>.”

**M(x) Codes**      **Military Flow down Provisions**

- M1      This is a DPAS Rated Order (DX-A7) and is certified for national defense use. All parties are required to follow all provisions of the Defense priorities and allocations systems regulations (15 CFR 700). In essence, this means that no commercial work shall take precedence over this military order.
- M2      This is a DPAS Rated Order (DO-A1) and is certified for national defense use. All parties are required to follow all provisions of the Defense priorities and allocations systems regulations (15 CFR 700). In essence, this means that no commercial work shall take precedence over this military order.
- M3      Elimination of use of Class I ozone depleting substances in Air Force procurement.
- M4      Supplier must use Approved Processors listed in Boeing, D1-4426, “Boeing Approved Process Sources”, for all processes requiring a Boeing approved processor.

**N(x) Codes**      **Northrop Grumman Flow down Provisions**

- N1      Process specifications that are called out in Engineering drawings, other process specifications or purchase orders, require Northrop Grumman approval when they are listed in Northrop Grumman Approved Special Processors List (ASPL). In other words supplier/s must use Northrop Grumman approved special processors for processes listed in Northrop Grumman Approved Special Processors List (ASPL).

**P(x) Codes**      **Purchase Order Provisions**

- P1      EMTEQ Standard Purchase Order Terms and Conditions apply - QAF-QCFM-15. This document is listed on EMTEQ’s website located at: [www.emteq.com](http://www.emteq.com)
- P2      A Certificate of Compliance is required to accompany each shipment. If parts are either replacement or reworked parts per an RMA number, the supplier’s certificate of compliance must indicate the RMA number and phrase “Reworked parts” or “Replacement parts”, as applicable.

- P3 Rev items indicated as, “\*\*\*” must be manufactured to the latest documented revision.
- P4 All requirements stated on the purchase order that are applicable to sub-tier suppliers, shall be flowed down via purchasing documents, including any key characteristics that have been identified.
- P5 Original Manufacturer’s Certificate of Compliance is required with shipment.
- P6 FAA Airworthiness / Approval Certification is required. The supplier shall furnish and affix to each item shipped a properly executed FAA Form 8130-3 Airworthiness / Approval Tag.
- P7 All Wire / Cable lengths must be continuous or longest lengths available.
- P8 All unmated connectors shall be protected at all times during assembly, storage, and test. Individually assembled connectors shall have their contacts or sockets protected with protective caps or other suitable packaging prior to shipment. Prior to placing caps on connectors, assure that the connectors are free of foreign objects.
- P9 Flow down of customer-approved special processing sources is required.
- P10 Where supplier utilizes raw material test reports to verify purchased product, it is the supplier’s responsibility to periodically validate the test reports per applicable specifications.
- P11 When the drawing, specification or purchase order includes key characteristic requirements, the supplier shall employ a process certification program compliant with AS9103 Standard.
- P12 Supplier shall maintain a Foreign Object Debris/Damage (FOD) prevention program including:
  - review of manufacturing processes to identify and eliminate foreign object entrapment, periodic self audit
  - Buyer’s right to perform FOD Prevention Program audits
  - periodic self audit of Supplier’s internal FOD prevention practices
  - provide periodic FOD training to employees
- P13 The Statement of Work (SOW) applies. The material supplied on this order shall comply with the requirements of the attached SOW. Contact the cognizant EMTEQ buyer if you do not have a copy of the SOW.
- P14 IPC/EIA-J-STD-001 (Latest Revision) Requirements for soldered electrical and electronic assemblies, Class 3, is required.
- P15 Items provided on this purchase order have the following lot traceability requirements:
  - Each shipment shall be from only one OEM
  - Each shipment shall only be from one Date Code
  - Components too small to have a Date Code marking shall have their packaging identified with the appropriate Date Code marking
- P16 Supplier shall have procedures in place to define the method for controlling records that are created by and/or retained by sub-tier suppliers, maintain a register of approved suppliers that include scope of approval, and periodically review supplier performance.

P17 Supplier shall notify EMTEQ if a product or article has been released and subsequently found not to conform to the applicable design data within 24 hours.

P18 Supplier shall comply with all United States Export regulations with regard to goods, technical data and services. Details of the Terms and Conditions regarding US Export regulations are available on the EMTEQ Standard Purchase Order Terms and Conditions document QAF-QCFM-15. This document is listed on EMTEQ's website located at [www.emteq.com](http://www.emteq.com).

**S(x) Codes**      **Shelf-life Provisions**

S1 The material supplied on this contract shall be accompanied by a shelf-life certificate and internal packages marked per MIL-STD-130, (Marking for Shipment and Storage).  
The material shall be received with at least 75% of the specified shelf-life remaining.

**U(x) Codes**      **UTC Member Provisions (ASQR-01)**

U1 Special process suppliers (e.g., shot peen, plating, heat treatment, bonding, nondestructive testing, welding, coating, chemical processing, electro-mechanical machining, etc.) that receive a purchase order from a UTC member shall be certified / registered to AS/EN/JISQ 9100 or meet the requirements of SAE AS 7003.

Compliance to SAE AS 7003 is demonstrated by satisfactory audit to NADCAP (AC) 7004. Audit is to be performed by PRI or AECMA-EASE.

U2 Corrections to work instructions or documents must be recorded, dated and signed in ink or other permanent marking method with the original data being legible and retrievable after the change.

U3 All quality records (non-electronic) shall be documented in ink or other permanent marking.

U4 The following must be requested in writing to the Buyer and approved in writing from EMTEQ prior to incorporation:

- An anomaly noted in a drawing or specification that could result in a nonconformance.
- Lack of clarity or definition in a drawing or specification.
- A request for an alternate method to a quality system requirement.

U5 When specified on the drawing or Purchase Order, suppliers must use only UTC approved sources to perform special processes.

U6 Suppliers must provide raw materials test reports / certification results / laboratory analysis requirements (e.g. tensile strength, stress rupture, hardness, chemical composition, ect.), as defined by the product definition and / or the Purchase Order.

U7 Supplier shall audit their Quality Management System annually. Alternate plans may be accepted by UTC members.

- U8 If supplier utilizes inspection sampling for the product manufactured on this contract, the sampling plan must be per ASQR-20.1, as a minimum. ASQR-20.1 does not override any drawing notes that require 100% inspection. Contact Procurement for a copy of ASQR-20.1 if applicable.
- U9 Product deemed scrap must be clearly identified and rendered unusable within 30 days of final disposition unless otherwise instructed in writing by EMTEQ.

EMTEQ must be informed immediately (not to exceed 24 hours or the next business day) of suspect nonconforming product shipped regardless of destination.

**Z(x) Codes**    **Internal EMTEQ Provisions**

- Z1 Forward parts to Incoming Inspection for First Article Inspection (FAI) – Buyer to receive FAI results.
- Z2 Forward parts to Incoming Inspection for First Article Verification (Verification to a specification or data sheet of a Mil spec or catalogue item – applicable to distributor vendors only) – Buyer to receive FAI results.
- Z3 Forward parts to Incoming Inspection for third party validation of vendor supplied material certification reports.
- Z4 Production equipment, tools, programs, and measuring devices are to be routed to Manufacturing Engineering for proper implementation in accordance with EMTEQ’s documented procedures (QSP-760-1, QSP-751-2, & QSP-710-1).
- Z5 All purchased tooling is to be forwarded to the Calibration Manager to determine Tool Log status. Purchase Order is to reflect if tool is for RESALE or EMTEQ use.
- Z6 Forward parts to Incoming Inspection for First Article Inspection (FAI). FAI must be documented per AS9102 requirements – Buyer to receive FAI results.
- Z7 Forward parts to Incoming Inspection for testing with applicable test procedures prior to receiving into Inventory.
- Z8 Forward parts to Incoming Inspection for Heightened Inspection per QAF-QCFM-34.