

Supplier Quality Clause

Applicable to Purchase Orders as Specified

Q-001 Certification

1. Components and Materials

A legible document certifying compliance to MTS' Purchase Order requirements shall accompany each shipment. The certification shall state that the material provided complies with all requirements listed on the P.O. The C of C from OEM or OCM is required **except** for receipts identified at below from **a** through **e**.

- a. **For EEE components** – C of C from OEM or OCM is not required **if** the C of C provided, by the **Franchised** or the **Authorized** Distributor by the OEM/OCM, contains at minimum, the name of OEM/OCM (or value-added partner for electro-mechanical item such as connectors), lot number, lot date code (LDC or DC), county of origin (COO) when applicable, and matching manufacturing part number if identified on MTS PO.
- b. **For EEE parts** purchased from **Independent Distributor (Broker)** – C of C from OEM or OCM is required, and full traceability to an OEM/OCM manufacturer lot, plus Q-002 requirements apply.
- c. **For mechanical and fabricated parts (including fasteners)** – C of C from OEM is not required **if** the C of C provided by the distributor, contains at minimum, the name of OEM, lot number or unique control number (such as a distributor's PO #, batch or lot #, shipper #, test #, etc.), county of origin (COO) when available, and matching manufacturing part number if identified on MTS PO.

Additional requirements detailed below are applicable to MTS PO ending with xxxxxx-3000 through -3999, -4000 through -4939, -4952 through 4999, -8001 through -8999:

- i. **Specialty Metal Certificate is required** for COTS metal parts (including fasteners). The Seller shall certify that items supplied to this PO are compliant to DFARS 252.225-7008, 252.225-7009 or 252.225-7014.
- ii. **Specialty Metal Certificate and Raw Material Certificate are required** for metal parts built per MTS drawing. Seller's C of C shall contain MTS part number and when applicable revision number and manufacturer's lot number, and certify such materials are compliant to DFARS 252.225-7008, 252.225-7009 or 252.225-7014. **Additionally**, the Seller shall provide a copy of the raw material certification for materials procured and used to produce the item(s) ordered by this PO with the chemical and physical test report as applicable to the item(s) ordered must be furnished with each shipment; the lot number, batch number, heat number as applicable, shall be noted in the report and the certificate of compliance. This certificate of material conformance is required in conjunction with the Suppliers standard certification of compliance.
- iii. **Special Process Certificate is required** for a process such as Welding, Brazing, Soldering, Heat Treat, Non-Destructive Testing (NDT), Plating and Chemical Finishing, and/or Painting that results in a physical, chemical or metallurgical transformation OR a process whose conformance cannot be later verified by normal inspection methods. The Certificate from the seller shall certify the special process performed to the specific standard, when applicable, the specific revision of the standard that is identified either by MTS' drawing or the PO. **This requirement is not applicable for COTS items.**
- iv. **PCB Supplier In-House Microsection Analysis Report is required for Class 3 PCB.** In-house microsection analysis required prior to acceptance and microsection lab report per IPC standard shall be provided to MTS along with the supplier's C of C. In addition to the data and hardware deliverables to this PO, PWB suppliers shall provide Group A microsection mounts and any remaining coupons with each shipment.
- v. **Notification of Product Change and Anomaly are required** as applicable for mechanical parts built per MTS drawing. Supplier shall notify MTS Buyer of any significant changes in product design, fabrication methods, material or processing from those previously approved

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or those in place during the time of quotation to the Buyer. Supplier shall notify MTS Buyer and obtain Buyer's written approval of any non-conforming product or anomaly that occurred during build with an MRB disposition of repair or use-as-is. **This requirement is not applicable for COTS items.**

d. **For chemical material (including solid, paste, liquid, aerosol, i.e., solder, flux, adhesives, and etc.)** – the manufacturer C of C is not required if the C of C provided by the distributor, contains at minimum, the name of manufacturer, lot number or unique control number (such as a distributor's PO #, batch or lot #, shipper #, test #, etc.), DOM and DOE, and matching manufacturing part number if identified on MTS PO. **For material with limited shelf life, additional requirements detailed below apply.**

i. Unless otherwise authorized by the MTS Buyer, the Seller shall ensure that the materials delivered to this MTS PO has a minimum of 75% of the useable shelf life shall remain upon receipt. Failure to comply with these requirements will result in the items being returned for non-compliance to P.O requirements.

e. **For all other items other than listed in above a) through d)** – C of C from OEM is not required if the C of C provided by the distributor, contains at minimum, the name of OEM, lot number or unique control number (such as a distributor's PO #, batch or lot #, shipper #, test #, etc.), and matching manufacturing part number if identified on MTS PO.

2. Supplies

a. For any supply used in the manufacture of shippable product (i.e., shrink tubing, packaging, cleaners, etc.), a document certifying compliance to MTS' Purchase Order requirements shall accompany each shipment.

b. For any supply not used in the manufacture of shippable product (i.e. office supplies, facility supplies, maintenance supplies, etc.), a packing list, invoice, or similar document shall accompany each shipment.

3. Calibrated Equipment

A document certifying calibration to MTS' Purchase Order requirements shall be made available each calibrated item. The certification shall state that the calibration complies with all requirements listed on the P.O. and shall include the calibration Standard or Standards utilized (i.e. ANSI Z540.1, ANSI Z540-3, ISO 17025, etc.).

4. Services

A document certifying that the specified service(s) to MTS' Purchase Order Line Item(s) requirements shall be made available after the conclusion of the service for all listed Line Items. A single certification, test report, or similar document suitable to the service(s) performed shall state that the provided service(s) complies with all Line Item(s) requirements listed on the P.O.

Q-002 Counterfeit / Fraudulent Parts Mitigation (EEE Components)

1. Materials supplied against this order require that the Seller shall maintain a Counterfeit/Fraudulent Parts Mitigation program or equivalent that is compliance with the requirements, in latest revision of, AS5553, AS6496, and/or AS6081 *for fraudulent/counterfeit electronics parts, avoidance, detection, mitigation, and disposition.*
2. For Distributor suppliers, components supplied against this order require that the Seller maintain a Counterfeit/Fraudulent Parts Mitigation program or equivalent that is compliance with the requirements, in latest revision of, AS5553, AS6496 and/or AS6081 *for fraudulent/counterfeit electronics parts, avoidance, detection, mitigation, and disposition*, and latest revision of IDEA-STD-1010 *for Acceptability of Electronic Components Distributed in the Open Market.*
3. Sellers are required to supply OCM original certificate of authenticity with each shipment. For Distributor Sellers additional requirements detailed below apply.

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- a. **Franchised** or the **Authorized Distributor** by the OEM/OCM – OCM original certificate of authenticity may be waived if the requirements specified in Q-001 Sub-clause 1.a. are met. However, when requested, Seller shall also be capable of providing full supply chain traceability to the OEM/OCM's lot of the parts.
 - b. **Independent Distributor (Broker)** – When OCM original certificate of authenticity and full supply chain traceability to the OEM/OCM's lot of the parts are provided, a summarizing authenticity test and inspection report in accordance with the latest requirements of industry-recognized standards, e.g., AS6171, AS6081, CCAP-101, and/or IDEA-STD-001 is acceptable. Failure to comply with these requirements will result in the items being returned for non-compliance to P.O requirements.
 - c. **Independent Distributor (Broker)** – When OCM original certificate of authenticity and full supply chain traceability to the OEM/OCM's lot of the parts are not provided, a detailed authenticity test and inspection report in accordance with the requirements of industry-recognized standards, e.g., AS6171, AS6081, CCAP-101, and/or IDEA-STD-001 is required. Failure to comply with these requirements will result in the items being returned for non-compliance to P.O requirements.
4. Seller agrees that MTS reserves the right to come on-site at seller's facility in validation of their QMS system and/or fraudulent/counterfeit parts mitigation program when suspected counterfeit or fraudulent parts are detected/reported.
 5. If suspected fraudulent or counterfeit parts are furnished under this P.O and are found in any goods delivered, such items will be impounded by MTS in accordance with applicable requirements.
 6. The seller shall promptly replace suspected fraudulent or counterfeit parts with parts that are acceptable to MTS, and the seller shall be liable for all costs relating to the removal and replacement of said parts. Furthermore, Buyer is not obligated to return suspect or confirmed fraudulent / counterfeit product.

Q-003 Reserved

Q-004 Reserved

Q-005 First Article Inspection Report (FAIR)

1. A First Article Inspect Report (FAIR) shall be provided and legible (including all of its supporting documentations) on a representative part delivered in the current shipment. It is preferred that the FAIR be documented on an AS9102 or similar form, and shall contain a ballooned drawing to meet the requirements listed on AS9102 Form 3.
2. The usage of the actual AS9102 forms is a mandatory requirement of the PO when AS9102 FAIR is directly identified on MTS PO. Failure to provide the appropriate FAIR along with required supporting documentation, failure to use the appropriate form, or failure to meet product specifications shall be cause for rejection.
 - a. The supplier's AS9102 FAIR shall provide, as a minimum: Purchase Order (PO) number, part number, revision level, part name, Supplier's name, drawing requirements (including tolerances), Heat Lot Number (of metal material) when applicable, method used to obtain results and actual results of each measurement.
 - b. If the part requires functional testing, in addition to the actual test results, the supplier shall provide the parameter(s) of test set-up, the test equipment that was used, the tolerances of the test equipment when applicable, and the calibration date of the test equipment used.
 - c. All required and optional fields on FAI Report Forms shall be completed. In addition, any FAI report form generated shall not contain open fields. To ensure each field of the FAI has been reviewed, the supplier give a brief explanation for each field marked "Not Applicable" or "N/A".
3. For suppliers who had completed a FAIR previously, a **new** full or partial FAIR shall be required if any of the following conditions has occurred since the prior FAIR.

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- a. A change in the design characteristics affecting fit, form, or function of the part.
- b. 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.
- c. A change in numerical control program or translation to another media that can potentially affect fit, form, or function.
- d. A natural or man-made event, which may adversely affect the manufacturing process.
- e. An implementation of corrective action required to complete a previous FAI.
- f. 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 last production operation to the actual restart of production.

Q-006 Reserved

Q-007 Leonardo Helicopters Quality Assurance Requirements

1. The following [Quality Assurance Requirements](https://www.leonardo.com/en/suppliers/supplier-portal/helicopters) from Leonardo Helicopters are flowed down to the supplier and made a part of this Purchase Order.
(<https://www.leonardo.com/en/suppliers/supplier-portal/helicopters>
<https://www.leonardo.com/en/suppliers/supplier-portal/helicopters/quality-requirements-for-suppliers>)

Q-008 Updated COVID Vaccine Guidance for Subcontractors and Suppliers

1. Click the [**UPDATED COVID Vaccine Guidance for Subcontractors and Suppliers**](#) link to view the document on the user's computer.

Q-009 Moisture Sensitive Devices (MSD) Handling

1. Moisture Sensitive Devices (MSD) shall be packaged in accordance with the requirements in latest revision of IPC/J-STD-033 when delivered to MTS. Failure to comply with these requirements will result in the items being returned for non-compliance to P.O requirements.
2. For PCBA (CCA) EMS supplier, MSD items shall be handled and processed in accordance with the requirements in latest revision of IPC/J-STD-033 and ESD S20.20:
 - a. When MSD item in MTS provided kit is identified with baking required, the supplier shall perform moisture bakeout per IPC/J-STD-033 and MSL identified for the components prior to use during the build processes; and maintain such MSD components in drying condition per IPC/J-STD-033 and IPC/J-STD-020 if these baked MSD components not immediately used after the bakeout.
 - b. After PCBA (CCA) processing, MSD items within the residue kit shall be repackaged per IPC/J-STD-033 requirements when returning to MTS. Bakeout performed by the supplier shall be identified and/or labeled on the package of the MSD item.