



QTI QUALITY ASSURANCE REQUIREMENTS FOR PURCHASED MATERIALS

Doc No.: QT05006-021

Process Owner: **DIR. OF QUALITY**

Revision: **15**

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IMPORTANT NOTE TO USER: Unless otherwise documented, printed documents are not controlled. You must refer to the Master Document List to ensure this is the current revision.

QTI requires all suppliers to understand how their products and services contribute to the conformity of the final product. QTI is committed to providing world class products that are safe and exceed our customer expectations. You, the supplier, play an important part in the product realization process for QTI. QTI expects all suppliers to conduct their activity ethically and responsibly.

All clauses imposed upon the seller are indicated on the Purchase Order as indicated by the clause number to the left of the requirement title.

CLAUSE

DESCRIPTION

- 1 GENERAL QUALITY ASSURANCE REQUIREMENTS** (Includes paragraphs A through R below)
- (A) QUALITY SYSTEM:**
Supplier must have a Quality System that complies to ISO 9001 or be approved on form QT05006-062.
- (B) SOLDERABILITY:**
Materials supplied to this purchase order that are solderable must comply with MIL-STD-202, Method 208.
- (C) CERTIFICATION OF CONFORMANCE (C of C):**
The supplier shall furnish a Certificate of Conformance (COC) with each shipment attesting that the goods/services meet all the technical data package requirements. Data supporting this COC shall be kept on file and made available to Quality Thermistor, Inc. (QTI) upon request. The COC must include signature, date and title of a responsible Quality Representative. If a COC is not available, at minimum a test report showing the sample passed is acceptable if it contains a signature, date and title of a responsible Quality Representative.
- (D) COUNTERFEIT PREVENTION**
The supplier shall prevent the use of counterfeit parts, this includes any unauthorized copy, imitation, substitute or modified part knowingly misrepresented as a specific genuine part of an original or authorized manufacturer.
- (E) QTI CUSTOMER VERIFICATION OF PRODUCT AT SUBCONTRACTOR'S PREMISES:**
During performance on this order the Supplier's quality system, inspection and manufacturing processes may be subject to review, verification and analysis by QTI and/or QTI's customer and/or regulatory authority representatives, upon request. Customer inspection prior to shipment may be required. Requests for verification activities will be made by imposing Clause #8 on the PO.
- (F) RIGHT OF ACCESS:**



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Subcontractor to allow access for Quality Thermistor, our customer, and regulatory authorities to all applicable records if necessary.

(G) SUPPLIER FLOW DOWN:

Subcontractor shall flow down the applicable requirements of this purchase order and the QA codes applied to the purchase order to their suppliers. Including QTI's customer's requirements, where applicable. Flow down necessary for AS9100 customers.

(H) SHELF LIFE REQUIREMENT:

Minimum 75% of the original shelf life remaining on date of receipt at Quality Thermistor, Inc. This may be reduced only after approval from a QTI representative.

(I) REACH COMPLIANCE:

Material supplied under this contract MUST NOT contain any substance(s) listed as a Substance of Very High Concern (SVHC) outlined in Annex XIV of the REACH regulation (EC No. 1907/2006).

(J) SHIPMENT DOCUMENTATION REQUIREMENTS:

Shipment documentation shall be marked clearly with the following minimum information:

- QTI Purchase Order Number
- QTI Part Number and Revision
- Supplier Lot Identification
- Quantity in package or container
- Material Expiration Date (If Applicable)

(K) RECORD RETENTION:

Documentation supporting certifications and test reports shall be maintained by the Subcontractor for a period of not less than fifteen years.

(L) NAFTA CERTIFICATE:

A NAFTA Certificate is required if the purchased component or its packaging contains wood or a wood by-product.

(M) Supplier shall notify QTI of nonconforming processes, products, or services and obtain QTI's approval for nonconforming product disposition. Supplier shall notify QTI of changes in process, products, or services, changes of suppliers, changes of manufacturing facility location and obtain QTI's approval prior to delivering products or services.

(O) QTI requires that all conflict minerals (3TG) be sourced from DRC-Conflict Free smelters who due diligence practices have been validated by an independent 3rd party audit program.



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- (P) External Provider will use competent personnel to fulfill purchase orders and when required, QTI will provide all Qualification requirements for Personnel through the purchase order notes.
- (Q) QTI control and monitoring of vendor performance includes:
 - On time delivery Performance
 - Quality (meeting requirements) of delivered products and services
 - Accuracy of supplied documentation
 - Completion of documentation requirements (identified on PO)
- (R) External Providers must use a C=0 sampling plan for product acceptance
- (S) Supplier agrees to communicate to employees and sub-tier suppliers the importance of their contribution to product or service conformity, Product safety, and the importance of ethical behavior
- (T) Supplier agrees to use Customer designated or approved external providers, Including Process sources (e.g., Special processes);

2 CALIBRATION SYSTEMS:

Subcontractor must have an equipment calibration system that complies with ANSI/NCSL Z540.1-1994. If any tool is received with out of calibration condition, the subcontractor must report the condition and include measurement data showing the conditions.

3 TEST REPORT:

Subcontractor to supply a test report listing the results of tests to the specifications & requirements.

4 CERTIFICATION OF ANALYSIS (C of A):

A copy of actual Physical and/or chemical test reports for each lot, batch or heat are required with each delivery of the material covered by this Purchase Order. These reports shall be validated and signed by an Authorized Representative of the Supplier's Quality Department.

5 RoHS COMPLIANCE:

Material supplied to this contract must be compliant with European Union Directive 2011/65/EU



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6 **DFARS COMPLIANT:**

QTI, as a sub-tier supplier to various agencies of the US government, is required to flow down this clause. By accepting this order, you are ensuring your compliance to the clause and are accepting the responsibility to flow this requirement down to your sub-tier suppliers. All material supplied under this contract must comply with DFARS clause 252,225-7014, Preference for Domestic Specialty Metals, Alt 1.

7 **NON-REACH COMPLIANT**

Material supplied under this contract are **NOT** required to meet the material requirements of Annex XIV of the REACH regulation (EC No. 1907/2006). And are excluded of clause 1(I) here in

8 **QTI VERIFICATION OF PRODUCT AT SUBCONTRACTOR'S PREMISES**

Quality Thermistor, Inc. (QTI) inspection/acceptance is required on this order. The supplier's responsible Quality Assurance Representative shall notify QTI five (5) working days prior to start of final acceptance test or inspection to allow for scheduling of a QTI Quality Representative to be in attendance.

9 **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.

10 **Manned Space Flight Awareness**

For use in Manned Space Flight. Materials, manufacturing and workmanship of the Highest Quality Standards are essential to Astronaut safety.

If you are able to supply the desired items with a quality which is higher than that of the items specified or proposed, you are requested to bring this fact to the immediate attention of the purchaser.

This clause will be inserted in all subcontracts and purchase orders for such items down to the lowest tier.