

# **Appendix QX**

## **Supplier Quality Requirements**

The latest issue to this document is the version that is available on the Lockheed Martin Aero website: <http://www.lockheedmartin.com/us/aeronautics/materialmanagement.html>

**\*Revised    \*\*Added    \*\*\*Removed**

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b. have and maintain

authorized distributor chain, Aftermarket Manufacturer, or Authorized Reseller that identifies

- d. upon Buyer's request, forward records to Buyer at no additional cost, price, or fee to Buyer.

**1.6 Government/Industry Data Exchange Program ("GIDEP") Membership** – If Seller is eligible for GIDEP membership, Seller is required to be a member of GIDEP.

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\* **1.7 Buyer-Certified Materials:** Seller shall establish and maintain controls to prevent the use of non-certified materials when Buyer-certified materials (e.g. Engineering Materials and Approved Products [EMAPs]) are required.

\* **1.8 Calibration:** Seller shall maintain a documented calibration system for the calibration and maintenance of tools, jigs, inspection and test equipment. Seller shall have and maintain a calibration system compliant to ISO 17025, ISO10012-1, or ANSI Z540.

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\* **1.9 Buyer-Furnished, Seller-Manufactured or Seller-Owned Tooling:**

- A. Seller shall include in its documented quality system written procedures for the control, maintenance, and calibration of special tooling, jigs, inspection and test equipment, and other devices used in manufacturing processes.
- B. Seller shall comply with the requirements of Buyer's tooling manual (TMS-MC-015).



**\*\* Table 2 – Additional Quality Requirements by Commodity**

Commodity / Product	Fit Check	Software	FAI	FOD	Tooling Inspection Requirements	Variability Reduction
	Q3R (C-130 & P-3 Only)	Q6R Buyer's quality clause Q6R applies to both deliverable and non-deliverable software	Q2A and AS/EN 9102  Q2B (M.R.O)	Q4R		

- a. provide Buyer's Supplier Quality Engineer with Seller's written plan at least 30 days prior to manufacturing activities that, as a minimum, contains the following:
  - name and location of Seller's sub-tier and/or manufacturing site,
  - how Seller will be performing acceptance of product from a sub-tier location and/or manufacturing site,
  - upon request, example of Seller's purchase order to validate appropriate flow down of Buyer's requirements,
  - date that manufacturing activity will begin,
  - assessment of actual or potential impact to current POs, and
  - risk mitigation plan to ensure compliance to existing requirements,
- b. obtain Buyer's Supplier Quality Engineer written acknowledgement and concurrence, prior to any manufacturing activity.
- c. reflect Seller's contracted Supplier name and location, regardless of the point of final acceptance or delivery, in Seller's shipping document and C of C

**2.0.1** – Prior to shipment of Items designated "BUYER ACCEPT AT SOURCE", Seller shall:

- a. obtain final acceptance from Buyer's Supplier Quality Engineer, or
- b. request and obtain authorization from Buyer's Supplier Quality Engineer for shipment, or
- c. sign and/or stamp and date Seller's shipping document to indicate acceptance of Item(s) by Seller's quality assurance personnel, when Buyer has delegated end item acceptance to Seller.

**2.0.2** – Prior to shipment of Items designated "BUYER AND GOVT ACCEPT AT SOURCE", Seller shall comply with 2.0.1 and obtain final a fongi9( sr)-6(e4()8.)1 Aed Pn 0 Tn t4.19.t1.67-1(O)

surveillance as part of verification of conformance to the requirements of this PO. Seller's denial of any such access may result in inactivation of Seller's approval. Seller shall include the provisions of this facility access requirement in its POs with its subcontractors, for this PO.

- B. Seller shall provide the following, at no increase in price, cost or fee to Buyer, Buyer's customers or regulatory agencies:
  - i. suitable facilities at Seller and Seller's subcontractors' manufacturing locations for Buyer, Buyer's Supplier Quality Engineer, Buyer's customer and regulatory agency representatives to perform Item inspections, surveys or system/processcu





**2.4.3** – Seller’s utilization of Buyer-approved sources does not relieve Seller from the obligations to ensure subcontracted sources are in full compliance with applicable process specifications and to deliver conforming Items.

- \* **2.5 QCS-001 Requirements for Seller-Designed Items:** Seller has the authority and responsibility to approve and control its special processing sources including in-house processes. Seller is not required to use those sources or specifications listed in QCS-001.

Buyer shall have the right to withdraw Seller’s authority to approve both internal and external special processes and special process sources. If such authority is removed the Buyer may direct Seller at no increase in price, cost or fee to Buyer to use only those sources listed in QCS-001 and also meet all of the requirements of Quality Appendix QJ including the Addendum to QJ. Buyer is not be obligated to add any additional special process source or specification to QCS-001 as a result of a Seller’s authority to approve special process sources being removed.

- \*\* **2.6 Maintenance, Repair, or Overhaul Activities:** (Including Alternate Repair Sourcing)

**Additional Requirements:**

This section is applicable to Sellers performing Maintenance, Repair, or Overhaul Activities on Non-OEM product and/or Original Equipment Manufacturer (OEM) organizations with maintenance, repair and overhaul operated “*autonomously*” from their manufacturing/production operations.

**2.6.1 Quality Management Systems:**

- a) A FAA certified repair station must establish and maintain a quality control system acceptable to Lockheed Martin that ensures the airworthiness of the articles on which it or any of its contractors performs maintenance, preventive maintenance, repairs or alterations. The quality management system process shall cover (military articles) the Quality requirements that meet the intent of AS9110.
- b) QMS Surveillance: Buyer acceptance can involve periodic surveillance by Buyer of Seller’s quality system, manufacturing processes or physical Item, including work at Seller’s sub-tiers.

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