

Effective Date: 11/14/2019

Q500: Electrical, Electronic, and Electromechanical (EEE) parts

1. SCOPE

The contents of this subcontractor product assurance requirement document are applicable to Electrical, Electronic, and Electromechanical (EEE) parts.

2. APPLICATION

Electrical, Electronic, and Electromechanical (EEE) components manufactured to meet Government (MIL), Industry (AN/NAS/SAE/ASTM) or Company drawing/specification requirements only.

3. GENERAL REQUIREMENTS

- a. **Static Sensitive Material:** When Material supplied against the purchase order is ESD sensitive it shall be manufactured, handled, received, stored, and shipped in a manner to preclude damage from electrostatic discharge (ESD) in accordance with ANSI/ESD-S20.20. Packaging/containers shall be appropriately identified to show electrostatic protection. If parts are deemed not ESD sensitive, the supplier shall state this on their Certification of Conformance.
- b. **Date Code 24 Months:** Parts shall be 24 months or less in age from the Lot Date Code at the time of shipment to Aerojet Rocketdyne. The Lot Date Code shall be identified in the shipment documentation.

4. TEST REQUIREMENTS

- a. **TESTING DATA ACTUALS:** The Data shall include quality conformance inspection Groups A, B, C, D & E testing and any read & record variables data as required by the applicable military specification, drawings requirements, or any other Aerojet Rocketdyne specifications for the Class or rating of procured part. When required by military specification, non-lot specific qualification data (Groups C, D and/or E) shall be provided.

5. PART SOURCE CONTROL

- a. Upon identification of suspect or confirmed fraudulent/counterfeit EEE parts, either shipped or upon receipt of the item, the supplier shall provide timely notification to Aerojet Rocketdyne within 48 hours of discovery. In addition the Supplier shall:
 - i. Physically identify the parts as suspect/fraudulent/counterfeit product (e.g., tag, label, mark).
 - ii. Physically segregate the parts from acceptable non-suspect parts and place in quarantine. Quarantine should consist of physical barriers and controlled access.
 - iii. Do not return the parts to the source of supply for refund, replacement, etc., except under controlled conditions which would preclude resale of the suspect fraudulent/counterfeit parts into the supply chain, and to allow the source to conduct internal investigation.
 - iv. Confirm the authenticity of the parts. This may include further part-level testing, communications with the component's/part's supposed OCM, third-party analysis, etc.
 - v. Report fraudulent/counterfeit parts to the reporting service organizations listed herein and to investigative authorities and law enforcement agencies (as applicable).

This document is an integral part of the contract (purchase order) in which referenced.
Applicable Revision: The revision in effect at the time the purchase order is placed.

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- b. The sources named below are provided for informational purposes only. Their inclusion in this list is not a guarantee of their interest, capability, or readiness to respond.
 - a) Government Industry Data Exchange Program (GIDEP) (<http://www.gidep.org>)
 - b) ERAI (www.era.com)
 - c) IDEA (Independent Distributors of Electronics Association) (<http://www.idofea.org/>).
- c. **Supplier Designed / Source Controlled Items Containing EEE Parts:** Suppliers of source controlled / supplier designed for products that contain EEE parts shall have a counterfeit parts prevention program that is in compliance with SAE International Standard AS5553 (latest revision). Original Component Manufacturer (OCM) or authorized / franchised distributor then the requirements of SAE AS6081 (latest revision) shall be applied. This requirement shall be flowed to all sub-tier suppliers of components and products thereof as appropriate, including COTS parts that are not obtained from the OCM.
- d. **Suppliers of Assemblies / Components Built to Aerojet Rocketdyne Designs Containing EEE Parts:** Suppliers shall ensure that only new and authentic products are delivered to Aerojet Rocketdyne. Suppliers shall endeavor to first purchase parts directly from OCMs, OCM authorized / franchised distributors, or authorized aftermarket manufacturers or from suppliers who obtain such parts exclusively from the OCM or their authorized suppliers with OCM traceability. Supply of product that was not provided by these sources is not authorized unless first approved in writing by Aerojet Rocketdyne. This requirement shall be flowed to all sub-tier suppliers of components and products thereof as appropriate, including COTS parts that are not obtained from the OCM.
- e. **Authorized / Franchised Distributors of EEE Components:** Authorized / franchised distributors covenant, warrant, and represent that it has effective contractual agreements in place with each manufacturer whose product(s) it is procuring to sell to Aerojet Rocketdyne. Evidence of Franchised Distributor shall be included with Data package.

Authorized / franchised distributors shall:

- 1) Only ship products to Aerojet Rocketdyne that have been procured directly from the manufacturer.

Aerojet Rocketdyne reserves the right to reject any and all requests for approval, and require additional verification and testing of products.