

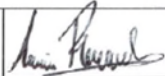


Noreast Supplier Quality Clauses

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1. Introduction

This document defines the quality requirements for suppliers of Noreast Electronics. These requirements must be flowed down to all sub-tier suppliers and apply to all products and services provided to Noreast unless otherwise specified.

2. Acronyms and Definitions

- **AS9100:** Aerospace Quality Management System standard
- **FAI:** First Article Inspection
- **C of C:** Certificate of Conformance
- **FOD:** Foreign Object Debris
- **QMS:** Quality Management System
- **MRB:** Material Review Board
- **SAE AS5553:** Standard for avoidance, detection, mitigation, and disposition of counterfeit electronic parts
- **REACH:** Registration, evaluation, authorization, and restriction of chemicals
- **RoHS:** Restriction of hazardous substances

3. Responsibility

Purchasing Manager-

It is the responsibility of the Noreast Purchasing Manager to ensure that these requirements are communicated to all Noreast suppliers who furnish electronic parts.

Noreast Suppliers

It is the responsibility of all applicable Noreast suppliers to conform to the requirements contained herein

4. References

- **AS9100 Rev D** – Quality Management Systems – Requirements for Aviation, Space, and Defense Organizations
- **ISO 9001:2015** – Quality Management Systems – Requirements
- **AS9102** – Aerospace First Article Inspection Requirement
- **AS5553**, Counterfeit Electronic Parts Avoidance
- **IPC/WHMA-A-620** Requirements and acceptance for cable and Wire Harness Assemblies
- **J-STD-001** Requirements for Soldered Electrical and Electronic Assemblies
- **IPC-A-610 Acceptability of Electronic Assemblies**

5. General Quality Expectations

Suppliers are expected to:

- Maintain and operate under a certified QMS (AS9100 or ISO 9001 preferred).
- Ensure compliance with all applicable drawings, specifications, and contract requirements.
- Promote awareness among personnel on their roles in product conformity, safety, and ethical behavior.
- Retain traceability records and ensure product integrity through packaging, preservation, and clean handling practices.
- Notify Noreast Electronics of any changes in process, material, manufacturing location, or quality management that may impact the delivered product.
- Proactively report and request disposition for any nonconforming material.

6. Quality Clauses

Clause	Requirement
6.1 QC100 – Quality System	Supplier shall maintain a Quality Management System (QMS) compliant with AS9100 or ISO 9001. The Buyer reserves the right to verify the system through on-site audits and/or assessments.
6.2 QC101 – Right of Access	Noreast, its customers, and regulatory authorities must be granted access to facilities, records, and processes related to the order.
6.3 QC102 – Flow-Down	Supplier is responsible for the quality of sub-tier products. All applicable Noreast purchase order requirements, including quality clauses, must be flowed down to sub-tier suppliers.
6.4 QC103 – Notification of Change	Supplier must notify Noreast of any changes to product, process, location, or sub-tier suppliers. Written approval is required prior to implementation.
5.5 QC104 – Nonconforming Product	Nonconforming product must not be shipped without Noreast's written approval. Escapes post-shipment must be reported immediately.
6.6 QC105 – First Article Inspection (FAI)	Supplier shall perform FAI per AS9102 latest revision and submit formal reports in the following cases: first submission (new part or supplier), design revision affecting form/fit/function, process change,

	manufacturing location change, or if 24+ months have passed since last production.
6.7 QC106 – Certificate of Conformance	Each shipment must include a signed CofC, Test Report, REACH, RoHS and referencing the PO number, part number, revision, quantity, and compliance statement.
6.8 QC107 – Record Retention	Supplier shall maintain all records related to quality (e.g. testing, inspection, traceability) for a minimum of 10 years for the parts supplied to Noreast.
6.9 QC108 – Special Processes	Any processes for production and service provision where the resulting output cannot be verified by subsequent monitoring or measurement and, consequently, deficiencies become apparent only after the product is in use or the service has been delivered. Process certifications are required for all special processes to be submitted to Noreast with the delivered item and shall be in accordance with C of C requirements, with the additional requirement of stating the process being certified. If the special process was outsourced, the cert shall originate from the contracting company.
6.10 QC109 – Packaging & Handling	Use appropriate packaging and labeling to prevent damage, contamination, or mix-ups. Magnetic Cores shall be bagged/boxed in a manner to prevent contact with each other.
6.11 QC110 – Shelf-Life Materials	Shelf-life materials must be delivered with at least 80% shelf life remaining and clearly labeled with manufacture and expiration dates.
6.12 QC111 – Counterfeit Parts Prevention	Supplier must implement controls per SAE AS5553. Only use OEMs or authorized distributors. Full traceability is required.
6.13 QC112 – FOD Prevention	Maintain a Foreign Object Debris prevention program throughout all manufacturing and packaging activities.
6.14 QC113 – Personnel Awareness	Ensure personnel understand their roles in product safety, conformity, and ethical behavior.
6.15 QC114 – Test Specimens (if requested)	Provide specimens for verification, investigation, or upon audit request.

6.16 QC115- Supplier Corrective Action Request (SCAR)	A Supplier Corrective Action Request (SCAR) shall be forwarded by Noreast to a Supplier when corrective action is required. Upon notification of the nonconformance, the supplier shall take immediate containment action. The supplier shall complete the analysis of cause and propose corrective action within ten (10) calendar days or within the due date assigned to the SCAR. Failure to respond in a timely manner may result in the removal of the Supplier from the Approved Suppliers List. Upon notification of the nonconformance, shipments may be suspended until containment processes are enacted.
6.17 QC116 - Safety Data Sheet (SDS)	Occupational Safety and Health Act (OSHA) Global Harmonized System (GHS) (formerly MSDS and label requirements): Each purchased product shipment shall contain appropriate hazard and precautionary information using Safety Data Sheets (formerly MSDS), and labels shall be in accordance with GHS requirements.
6.18 QC117 – Cable and Wire Harness Assemblies	Cable and Wire Harness Assemblies should comply with IPC/WHMA-A-620 Class 3 Requirements and Acceptance for Cable and Wire Harness Assemblies unless otherwise specified.
6.19 QC118 Electronic Assemblies	Electronic Assemblies should be assembled in accordance with IPC-A-610 Class 3 Acceptability of Electronic Assemblies unless otherwise specified.
6.20 QC119 Soldered Electrical and Electronic Assemblies	Soldered Electrical and Electronic Assemblies should be assembled in accordance with J-STD-001 Class 3 Requirements for Soldered Electrical and Electronic Assemblies unless otherwise specified.
6.21 QC120 Parts Substitution	Supplier shall not deliver substitute parts for the parts specified on the purchase order line unless Noreast has approved the substitution.

6.22 QC121 Supplier Material review board	Supplier is not authorized to accept or repair nonconforming products that deviate from customer drawings. Any nonconformances must be submitted to Noreast for disposition unless otherwise stated on the PO.
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