

SUPPLIER QUALITY ASSURANCE REQUIREMENTS - EMEA

I. The following clauses are applicable to all purchase orders:

1. Quality Program Requirements

The supplier shall provide and maintain a quality system that is certified by an accredited registrar to the requirements of ISO 9001 or equivalent.

2. Control Of Inspection, Measuring & Test Equipment

The supplier shall provide and maintain a quality system for measuring equipment that complies with the requirements of, either:

- A. ISO 10012-1
- B. ISO 17025
- C. ANSI/NCSS Z540-1

3. Right Of Access

Smiths Interconnect (Trading as Hypertac, Hypertronics, IDI and Sabritec) and its customers reserve the right of access to supplier's facility for review of quality systems, records, equipment and inspect any or all work on this order.

Visits have to be announced and agreed in advance.

4. Nonconforming Material

The supplier is not authorized to disposition nonconforming material as "repair" or "use as is" for product under Smiths Interconnect' design authority. Nonconforming material shall be segregated and withheld from shipment unless written concession is negotiated in advance. When authorized to ship non-conforming material, the supplier shall clearly identify product (i.e. tag or label) and include a copy of the authorization with the shipment.

5. Notice of Escape:

In case of manufacturing problems impacting the scheduled delivery or in case of NOT conforming material, the supplier shall notify Smiths Interconnect not exceeding 24 h or in the next business day.

6. Quality Records

Quality records including raw material certifications, work instructions, travelers/routers inspection and test data shall be retained at the supplier's facility for the life of the program as defined by Smiths Interconnect, but not less than 10 years after shipment or as specified by relevant regulatory requirements.

7. Handling And Delivery

Handling, storage, packaging, preservation and delivery of product shall be in accordance with best commercial practice to prevent damage and ensure product integrity.

8. No Changes Without Smiths Interconnect Approval

Written authorization shall be obtained from Smiths Interconnect buyer for any changes that will impact the contract or drawing/specification.

In addition, the supplier shall notify Smiths Interconnect' buyer before any change in ownership, major plant facility relocation or rearrangement.

9. Quality Flow Down to Sub-Tiers

The supplier shall ensure that all relevant requirements specified in the purchase order is communicated to their sub-tiers and that the sub-tier complies with the flowed down specifications/requirements.

10. Foreign Object Debris / Damage (FOD)

The supplier shall establish and implement a FOD prevention, detection, and removal program. Metallic staples are not allowed for internal packaging

11. Corrective Action

The supplier shall ensure a corrective action response is submitted to Smiths Interconnect within the defined due date when it is determined that they are responsible for a nonconformity and a request for corrective action has been issued to the supplier.

12. Certification Of Compliance (CoC)

The supplier shall certify that all material and processes supplied meet quality and specification requirements. Certifications must include:

- Authorized signature and title
- Smiths Interconnect purchase order, the part number and revision
- Special process specification and revision. At the time of contract acceptance, special process is to be performed to the latest revision or latest equivalent (if cancelled or superseded), unless otherwise specified in the work order. The supplier is to state on the certificate of compliance when a specification has been superseded.
- Lot, batch, date code or serial number(s)
- Quantity
- Must be in English unless otherwise specified

13. Traceability

The supplier shall identify material traceability data with serial numbers, lot/batch number or date code as defined by the controlling document. Identification shall be via labeled bag and tag unless otherwise specified on the drawing or purchase order.

14. Inspection Data Package

The supplier is required to provide the following items as specified on the purchase order or commodity matrix. Inspection data/report provided by supplier shall be defined as seen on Smiths drawing/PO (i.e. plating thickness, dimensional values, etc.)

15. ROHS / REACH

The supplier shall certify that materials/chemicals supplied to Smiths Interconnect are ROHS/REACH compliant. In case of not compliance , this status shall be declared in the CoC as NOT ROHS / REACH compliant.

16. Resource Awareness

The supplier shall ensure that persons doing work under its control are aware of:

- their contribution to product or service conformity;
- their contribution to product safety;
- the importance of ethical behavior.

II. The following clauses are applicable only as noted on the purchase order or on the commodity matrix when none are specified on the purchase order:

17. Source Inspection

The supplier shall notify Smiths Interconnect purchasing at least 72 hours prior to inspection/test of product to facilitate inspection/test witnessing by a Smiths Interconnect quality assurance representative. Smiths Interconnect will provide an inspection plan to the supplier with the purchase order. Verification of source inspection activities will be indicated by the stamp or signature of the individual performing the inspection. Evidence of source inspection shall be indicated on the shipping documentation.

18. Government Source Inspection

Government source inspection is required prior to shipment. Upon receipt of this order promptly notify the government representative who services your facility so that inspection tasks may be scheduled.

19. Smiths Interconnect Approved Sources

The supplier is required to use Smiths Interconnect' approved suppliers for all special processes/testing. The use of NADCAP (SAE AS 7003) accredited sources is preferred.

20. 100% Inspection Requirement

The supplier is required to perform 100% inspection of this item to ensure compliance to drawing and specification requirements. Objective evidence of this inspection must be maintained on file and available for Smiths Intconnect review. Certification of 100% requirement to be included on CoC.

21. Process Control Plan

The supplier shall submit a process control plan, detailing how critical/key characteristics and/or parameters will be evaluated and controlled. Relevant data shall be retained per the retention requirements specified herein and available for Smiths Interconnect review.

22. Material Test Report

The supplier shall provide legible test reports identifiable with purchase order number/material heat or lot number and the applicable specification and revision with each shipment. The report must contain chemical/physical analysis (as applicable).

23. Certification Of Calibration

The supplier shall certify that the item(s) is calibrated and traceable to nationally recognized standards. Certifications must include the National Institute of Standards & Technology (NIST) test number and accuracy of the calibration standard(s) used. Significantly out of tolerance conditions (150% of total allowed accuracy) shall be clearly identified.

24. Certification Of Nondestructive Testing (NDT)

The supplier shall certify that NDT was performed in accordance with the applicable specification(s). Where appropriate, the supplier is to retain records reflecting certification of personnel, equipment, and process. Certification shall include as applicable:

- Authorized signature and title
- Smiths Interconnect part number and revision
- Process specification and revision
- Lot, batch, date code or serial number(s)
- Quantity

- Link between supplier parts and lot of raw material
- Results

25. First Article Inspection

The supplier shall submit two parts chosen at random from product manufactured during the first production run with a documented First Article Inspection Report (FAIR) performed in accordance with AS9102. The parts chosen shall be manufactured using the same processes and equipment planned for future production. Prototype or setup parts are not to be used. Shipping documents and product shall be clearly identified as – “First Article”.

NOTE: Follow AS9102 paragraph 5.3 for resubmittal guidelines.

26. Shelf-Life Identification

The seller shall identify each age sensitive item on its package or container with the cure date and shelf life or expiration date and special storage or handling conditions. This information shall also be provided on the CoC. The supplier shall not furnish any shelf life controlled item exceeding 40% of the specified shelf life.

27. Acceptance Data Package

The supplier is required to provide the following items as specified on the purchase order or commodity matrix:

- A. Test data/report showing empirical data as defined in the drawing notes (i.e. capacitance values, breakdown voltage, reverse leakage current, etc.)
- B. Process Control data/chart (i.e. time and temperature charts)

28. Military controlled parts

When a drawing is identified as “Military Controlled”, the supplier shall not divulge information and material to a foreign person (including organizations) unless authorization from the Department of State is received or a special exemption is used.

29. Counterfeit Electronic Parts / Obsolescence

Supplier shall ensure electronic parts are purchased only from the Original Component Manufacture (OCM) or directly from an authorized distributor with part traceability directly from the OCM. Electronic assemblies shall only be purchased from the Original Equipment Manufacturer (OEM) or an authorized distributor with traceability directly from the OEM. Shipping documentation shall contain at a minimum the manufacturer, distributor, distributor purchase order number, part number, quantity, and date code of each quantity supplied. A copy of the manufacturer’s certification shall accompany shipment of parts, or, for parts procured through authorized distributors, shipment shall be accompanied by a CoC showing proper supply chain traceability. (Reference AS5553). Supplier shall notify obsolescence program , if any, minimum 1 year before stopping production.

30. Specialty Metals Restrictions (DFARS 252.225.7009)

The supplier shall ensure that all specialty metals procured/provided in support of the contract meet the requirements as set forth in the Federal Acquisition Regulations System section 252.225.7009 Preference for Domestic Specialty Metals (as applicable).

CHANGE HISTORY- NOT on published section

Revision	Initiated by	Date - Approval	Description of Change / Reason	Approved by
–	V. Carboni	19/01/17	Initial Release with ref F673 rev E	M.Rudkin
A	V. Carboni	02/02/17	Point 14- Changed to “ preferred”; Point 18 – added link to lot of raw material: Point 25 – added declaration on not compliance ; Point 27 added – Obsolescence and mandatory declaration	M.Rudkin
B	V. Carboni	11/04/17	Changed Logo	Marketing
C	V. Carboni	21/11/2017	Aligned to Smiths Interconnect Brand Modifications on 1,3,4 Aligned to F673 rev F	Marketing
D	V. Carboni	14/09/2018	Aligned with AS9100 rev.D	Marketing