

# “FITQR”

## FLEX INTERCONNECT TECHNOLOGIES QUALITY REQUIREMENTS

### **FIT QR 01 - CONTROL OF QUALITY**

The seller shall provide and maintain a system that complies with ASQC-Q-9000 (MIL-I-45208A), "Inspection System Requirements". Compliance with the provisions of this clause in no way relieves the seller of the final responsibility to furnish acceptable supplies or services. This system shall be subject to audit by FIT representatives.

### **FIT QR 02 - INSPECTION SYSTEM REQUIREMENTS**

The Supplier/Contractor's Inspection System shall conform to the requirements of ISO 9001:2000 and is subject to review and approval by FIT Quality Assurance.

### **FIT QR 03 - CERTIFICATE OF CONFORMANCE**

A Certificate of Conformance shall accompany each shipment of material defined in the purchase order. The Certificate of Conformance shall be legible and at a minimum, include the FIT purchase order number, quantity, part number, and revision letter, and/or the FIT Manufacturing Order Number or when specified the FIT lot number (when purchaser-supplied material) and the mill heat number when vendor-supplied material.

All supplied raw material shall be of the same lot unless otherwise stated and agreed to per PO. When multiple lots of material are used in completing a shipment, all material lot numbers or mill heat numbers shall be reported and kept separate. When processing is performed against a FIT order, parts shall not be mixed and traceability shall be maintained.

### **FIT QR 04 - CHEMICAL AND PHYSICAL TEST REPORTS**

Physical and chemical test report certifications shall be supplied with each shipment. Test reports shall be legible (reproducible condition) and include FIT name, PO #, the material designation, specification and latest revision letter, results of all specified testing requirements, the mill heat number, and any other requirements specified on the purchase order.

### **FIT QR 05 - MILL TEST REPORTS**

Physical and chemical test reports originating from the producing mill shall be supplied with each shipment. Test reports shall be legible (reproducible condition) and provide traceable documentation to FIT name and PO #. The material designation, specification, latest revision letter, and results of all specified testing requirements, the mill heat number and any other requirements specified on the purchase order shall be included with the test reports.

### **FIT QR 06 - TEST AND INSPECTION REPORTS**

Test and inspection reports as required by the applicable procurement specification must accompany each shipment. Test reports shall be legible (reproducible condition) and include the designation, specification, and latest revision letter.

### **FIT QR 07 - FIRST ARTICLE INSPECTION**

First Article Inspection is required on a part representative of the production process to be used in the manufacture of these parts. A copy of the First Article documentation is to be maintained on file and available upon request of FIT.

### **FIT QR 08 - RECORD RETENTION**

Supplier shall retain all records pertaining to material, manufacturing processes, special processes, testing, and inspection for seven (7) years or on special projects ten-(10) years minimum. Notify FIT prior to destruction.

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### **FLEX INTERCONNECT TECHNOLOGIES QUALITY REQUIREMENTS**

#### **FIT QR 09 - NONCONFORMING PRODUCT CONTROLS, RECALLS & ESCAPE NOTIFICATION**

Subcontractors are required to report any failure, malfunction, or defect in any product, part, process or article that is manufactured and delivered to FIT.

#### **FIT QR 10 - PRODUCT QUALITY**

Products shall be uniform in quality and condition, sound and free from foreign materials and imperfections detrimental to the usage of product. The product must be of an overall quality consistent with good industry practices and adhere to requested PO requirements without deviation.

#### **FIT QR 11 - STATISTICAL PROCESS CONTROL**

Statistical Process Control is required during the manufacture of the item(s) for which this clause is called-out. SPC shall be in accordance with a plan approved by FIT Quality Assurance. Key, Critical & Significant Characteristics are required to meet Cpk 1.33 min. requirements. Control charts shall be submitted with shipment.

#### **FIT QR 12 - SAMPLING (C=0)**

Unless otherwise specified final acceptance when less than 100%, shall be based on a statistically valid method. Zero defect acceptance (C=0) is the required acceptance criteria to be used.

#### **FIT QR 13 - PRECEDENCE OF REQUIREMENTS**

In the case of conflicting requirements, the following order of precedence will apply FIT Purchase order, FIT Quality Clauses, Drawing, Material & Process Specification then General Terms & Conditions.

#### **FIT QR 14 - FIT SOURCE INSPECTION**

FIT source inspection is required at vendor's facility. Necessary equipment and assistance shall be made available to purchaser's representative.

#### **FIT QR 15 - FIT SURVEY/AUDIT RIGHTS**

FIT and/or FIT customers (Including Government) and Regulatory bodies shall have the right to conduct surveys and perform surveillance of the vendor's and sub-vendor's facilities to evaluate their capability to comply with the requirements necessary to conform to contractual requirements.

#### **FIT QR 16 - TRACEABILITY**

All parts, material and/or applicable documents must be identified by a manufacturing lot number or batch number by the seller. (A lot or batch number is defined as parts and/or material produced by one manufacturer in one unchanged process, in accordance with the same drawing and/or specification revision.)

#### **FIT QR 17- GOVERNMENT, CUSTOMER OR REGULATORY AGENCY INSPECTION**

Government, Customer or Regulatory Agency reserves the right to inspect any or all of the work included in this Purchase Agreement at the supplier's plant prior to shipment. Verification by the customer shall not absolve the supplier of the responsibility to provide acceptable product, nor shall it preclude subsequent rejection by customer. Supplier shall be notified prior to shipment if Government, Customer or Regulatory Agency inspection is required.

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**FIT QR 18 - AGE SENSITIVE MATERIAL**

C of C for age-sensitive materials shall contain the following as a minimum: Date of manufacture (cure date), shelf life expiration date, and storage conditions to achieve shelf life, if not stated on material package. Shipments with less than 70% of its total shelf life remaining when received by FIT will not be accepted.

**FIT QR 19 – SUBCONTRACTED SERVICES**

Requested services are to be performed by the contracted supplier. Supplier is not permitted to flowdown services to a Sub-tier without prior written approval of FIT. If/when approved by FIT, all FIT requirements will be flowed down to the sub-tier supplier (s).

**FIT QR 20 – FLOWDOWN OF REQUIREMENTS (DFARS 252.225- 7014 (ATTACHMENT 2))**

When required by contract or PO, raw material or items which contain “specialty metals” (defined as certain steel and other alloys, titanium, and zirconium) shall be acquired from domestic or “qualifying country” sources.

**FIT QR 21 - FLOWDOWN OF REQUIREMENTS (NADCAP)**

NADCAP Approved Process Source - When required by contract or PO, the requirement for processing by NADCAP approved suppliers shall be flowed down to the supplier.

**FIT QR 22 – PROCESS CHANGE CONTROL**

Supplier shall not make production changes to approved processes unless approved by FIT.

**FIT QR 23 – PRODUCT SAFETY AND ETHICAL BEHAVIOR**

Supplier shall ensure that they are aware about their contribution to product or service conformity, product safety and the importance of ethical behavior. Supplier need to retain documented information, including retention periods and disposition requirements.

**FIT QR 24 – COUNTERFEIT PARTS**

Supplier shall comply with SAE AS 5553 and AS6174 to prevent and mitigate the use of counterfeit parts for both electrical and non- electrical components supplied to FIT. Only new and authentic materials are to be used in products delivered to FIT. No counterfeit or suspect counterfeit parts are to be contained within delivered product. Parts should be purchased directly from the Original Equipment Manufacturer (OEM)/ Original Component Manufacturer (OCM) or through the OCM/OEM franchised distributor /authorized supplier. If Supplier's only source for material is through an unauthorized supplier, Supplier will notify FIT immediately for approval prior to purchasing any material to support FIT. The supplier shall flow down the applicable requirements of AS5553 and AS6174 to applicable sub-suppliers.