

STRAN Technologies Quality Notes

SQN-01

TEST DATA-

Test Data is required for all fiber optic cable supplied on this purchase order. An OTDR trace of every optical channel of the fiber optic cable is required. The trace must show:

1. The fiber length
2. The fiber attenuation of the entire length
3. The existence of any splices. Splices are not allowed on cables less than 3000 meters.

A certificate of conformance of numerical aperture and core diameter for every fiber is also required.

SQN-02

CERTIFICATE OF CONFORMANCE-

A Certificate of Conformance is required with each shipment of material supplied. This applies to raw materials, heat treating, plating/anodizing, and rubber products. These certificates shall include, at a minimum:

1. Manufacturer's name and address
2. Purchase order number
3. Part number, revision and quantity
4. QA signature and date
5. Statement of conformance to all requirements

As applicable, the following shall also be included on the certificates:

1. Serial numbers, date code or lot/batch number
2. Cure date
3. Durometer reading
4. Standards used
5. Post treatment hardness

The supplier or distributor shall retain a copy of the C of C and all relevant supporting data on file for a minimum of ten (10) years after the completion of this purchase order.

SQN-03

FIRST ARTICLE VERIFICATION (FAV)-

A FAV record is required. The first acceptable part fabricated shall be submitted to STRAN Technologies along with a copy of the suppliers FAV report. The report shall include, recorded dimensional and test data for all characteristics, verification that all other requirements have been met, and material/process certificates. The supplier may request a blank copy of STRAN's FAV form for their use. Items produced prior STRAN Technologies acceptance of the FAV shall be at the supplier's risk. **The supplier shall retain a copy of the FAV for a period of ten (10) years minimum after the completion of this purchase order.**

SQN-04

INSPECTION DATA-

Inspection data, identifiable to the material supplied, must accompany each shipment. The data must include quantitative values for all dimensions shown on STRAN's drawing and verification that all other drawing requirements have been satisfied. The data sheets must also include:

1. Manufacturers name
2. Part number, revision and quantity
3. Purchase order number
4. Lot number
5. Date of inspection
6. QA signature

SQN-05

STRAN SOURCE INSPECTION (SSI)-

It is required that SSI, verified by a STRAN quality assurance representative, be performed prior to shipment from your facility. To arrange for SSI, contact the STRAN buyer at least 48 hours before the product is ready for shipment. **Note:** Acceptance by the SSI quality representative in no way frees the supplier of his responsibility for providing material in full compliance with the technical and quality requirements contained in the purchase order.

SQN-06

GOVERNMENT SOURCE INSPECTION (GSI)-

It is required that GSI be performed prior to shipment from your facility. Notify the DCMC Office at the number shown on the purchase order when material is ready for GSI.

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- SQN-07 SOLDERING-**
Soldering workmanship shall be in compliance with the requirements contained in standard ANSI/JSTD001 and IPA A610 Class 3 unless otherwise identified on drawing or specifications.
- SQN-08A QUALITY SYSTEM-**
Production of the material supplied on this purchase order shall be controlled under an inspection or quality system that is in compliance with MIL-I-45208, ISO 9002:2008, AS9100 or equivalent.
- SQN-08B QUALITY SYSTEM-**
Production of the material supplied on this purchase order shall be controlled under an inspection or quality system that is in compliance with ISO 9001:2008, ANSI/ASQC Q9001, AS9100 or equivalent.
- SQN-09 PACKING-**
Material supplied on this purchase order will be adequately packed to protect it from damage or degradation during transit. The supplier is responsible for product conformity throughout internal processing, including delivery to the destination specified on the order.
- SQN-10 CALIBRATION SYSTEM-**
The supplier is responsible for maintaining a calibration system for measuring and monitoring equipment that complies with ANSI/NCCL Z540-1, ISO 10012-1, MIL-STD-45662, or equivalent.
- SQN-11 ELECTRO MAGNETIC DISCHARGE (ESD)-**
The components on this purchase order are susceptible to damage from ESD. The supplier will ensure that the components are adequately protected from ESD damage throughout internal processing, including delivery.
- SQN-12 SUPPLIER FLOWDOWN-**
The supplier will ensure that technical and quality requirements applicable to this purchase order are flowed down to any lower tier suppliers. Regardless, the supplier named on the purchase order is responsible for providing material in full compliance with the terms, conditions, and technical and quality requirements contained in this purchase order.
- SQN-13 NONCONFORMING MATERIAL-**
Supplier shipment of nonconforming material without specific, prior approval by STRAN Technologies is not permitted. A request for a waiver shall be submitted to the STRAN Technologies buyer documenting the materials condition. Previous dispositions shall not be considered as a precedent for continued delivery of nonconforming material.
- SQN-14 RATED PURCHASE ORDER-**
This is a rated purchase order certified for national defense use, and as such, you are required to follow all provisions of the Defense Priorities and Allocation System (DPAS) regulation 15 CFR 700.
- SQN-15 PREFERENCE FOR DOMESTIC SPECIALTY METALS-**
The Supplier shall comply with DOD DFARS Clause 252.225-7009 – including the Alternate 1 requirements. Suppliers must provide objective evidence that all parts and subcomponents supplied to STRAN are manufactured with compliant specialty metals. This clause can be viewed at <http://www.acq.osd.mil/dpap/dars/dfars/html/current/252225.htm#252.225-7014>.

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APPLICABLE FAR AND DFAR CLAUSES

The following DOD Clauses, versions in effect at the time of Purchase Order, are applicable to this order. The clauses can be obtained at <http://www.acq.osd.mil/dpap/dars/dfars/index.htm>

DFAR Number	DFAR Title
252.225-7001	Buy American Act and Balance of Payments Program
252.225-7002	Qualifying Country Sources as Subcontractors
252.227-7015	Technical Data Commercial Items
252.227-7016	Rights in Bid or Proposal Information
252.227-7017	Identification and Assertion of Use, Release or Disclosure Restrictions
252.227-7028	Technical Data or Computer S/W Previously Delivered
252.227-7030	Technical Data- Withholding of Payment
252.227-7034	Patents- Subcontracts
252.203-7001	Prohibition of Persons Convicted of Fraud or Other Defense Contract Related Felonies
252.211-7000	Acquisition Streamlining

SQL-17

CHANGE CONTROL -

Except for first time purchases, items furnished under this Purchase Order shall be identical to a product previously accepted by STRAN. The supplier shall notify STRAN of any proposed changes including changes in design, materials, parts, fabrication methods or processes, major plant rearrangement, or plant relocation and changes, which may affect the quality or intended end use of item. STRAN must approve any/all changes prior to the change incorporation.

SQL-18

RIGHT OF ACCESS -

STRAN, STRAN's customer's and authorized Government Representatives reserve the right to enter supplier's plant (s) and those of supplier's suppliers at every tier with advanced notice, when reasonable, that may be engaged in work relating to the Purchase Order, for the purpose of surveillance/inspection of the supplier's (and supplier's suppliers) processes, controls, quality records and systems, as well as supplies/services procured under this Purchase Order. Surveillance/inspection of Seller's processed and controls will not constitute acceptance of the supplies/services being procured.

SQL-19

CERTIFICATE OF CALIBRATION-

All equipment on this Purchase Order is to be supplied with a Certificate of Calibration. These certificates shall provide the following, at a minimum:

1. The Calibration House name and address
2. Description of gage calibrated
3. Gage Model
4. STRAN ID # (ST-012)
5. Temperature and humidity
6. Before and after Calibration Data
7. Calibration Date
8. Calibration Technician
9. Description of gages used for calibration, including traceability to NIST and due date.

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SQN-20

CALIBRATION REQUIREMENTS-

In addition to the other SQNs stated on this Purchase order, the supplier is responsible for the following:

1. The supplier must notify STRAN if a piece of equipment is found to be out of calibration.
2. The adjustments are to be safeguarded against tampering, as applicable.

SQN-021

AGE SENSITIVE (CONTROLLED) MATERIALS-

The material on this order is susceptible to degradation over time. Accordingly, each individual unit pack, container or dispenser shall be clearly identified as to its shelf life and/or expiration date. No material with a shelf-life date will be shipped to STRAN Technologies with less than 80% of the full shelf-life as determined by the original manufacturer unless previously approved in writing by STRAN. All packing slips/ Conc.'s shall contain the following information:

- Manufacturer Lot No.
- Date Manufactured
- Material Expiration Date
- MSDS Material Safety Data Sheet.
- Proper storage and handling conditions

SQN-022

MERCURY CONTAMINATION-

The supplies furnished on any purchase order for the requested item(s) shall not contain metallic mercury or mercury compounds and shall be free from mercury contamination. The supplies offered shall also not have come in direct contact with mercury or any of its compounds. Mercury contamination of the supplies will be cause for rejection of the material.

SQN-023

WIRING HARNESSSES –

Cables and wiring Harnesses will comply with IPC/WHMA-A-620 unless otherwise specified. The supplier will default to Class 3 requirements if the class is not otherwise specified on the PO or other supplied documents.

SQN-024

STANDARD PURCHASE ORDER CLAUSES-

The following STRAN Quality Notes (SQN's) are applicable to all purchase orders – SQN-02, SQN-04, SQN-09, SQN-12, SQN-13, SQN-15, SQN-16, SQN-17, SQN-18, SQN-22, SQN-026, SQN-027, SQN-028, SQN-029, SQN-030 & SQN-31.

SQN-025

ITAR-

The documents provided on this order may contain Technical Data the export of which is subject to the International Traffic in Arms Regulations (22 C.F.R. Parts 120 - 130) or the Export Administration Regulations (15 C.F.R. Parts 730 - 774). Export controlled information, in any form, shall not be disclosed to a foreign person whether in the United States or abroad (including foreign persons employed in the U.S.) without authorization under the applicable U.S. Government export control regulations and the express written authorization of STRAN Technologies. This document may contain STRAN Technologies' Proprietary Information and is to be used only for the purposes for which it has been supplied and is not to be duplicated or disclosed in whole or in part without written permission from a duly authorized representative of STRAN Technologies.

SQN-026

FOD-

The Supplier shall assure that any product, components and materials supplied under this contract are free of Foreign Object Debris (FOD). The supplier shall utilize general prevention practices to prevent FOD, large or small, from the product and packaging. FOD contamination will be cause for rejection of material.

SQN-027

PROHIBITION OF PURE TIN FINISHES OR TIN SOLDER-

The uses of Pure Tin Plated finishes are strictly PROHIBITED. Any Tin Plating or Tin Solder processes shall contain NO LESS than 3 percent LEAD composition, unless specifically authorized in writing by the STRAN Procurement Agent. These restrictions apply for all types and levels of procurements, with the supplier responsible for communicating these restrictions to subcontractors or sub-tier suppliers as required

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STRAN Technologies Quality Notes

SQN-028

USE OF COUNTERFEIT ITEMS

- a. "Counterfeit Item" is defined to include, but is not limited to, (i) an item that is an illegal or unauthorized copy or substitute of an Original Equipment Manufacturer ("OEM") or Original Component Manufacturer ("OCM") item; (ii) an item that does not contain the proper external or internal materials or components required by the OEM or OCM or that is not constructed in accordance with OEM or OCM design, but is represented as such; (iii) an item or component thereof that is used, refurbished or reclaimed but the Seller represents as being a new item; (iv) an item that has not successfully passed all OEM or OCM required testing, verification, screening and quality control but that Seller represents as having met or passed such requirements; or (v) an item with a label or other marking intended, or reasonably likely, to mislead a reasonable person into believing a non-OEM or OCM item is a genuine OEM or OCM item when it is not.
- b. "Authorized Distributor" is defined as a distributor with which the OM has a contractual agreement to stock, repackage, sell and distribute its product lines. Authorized Distributors normally offer the product for sale with full manufacturer flow-through warranty.

Seller's Risk Mitigation Seller shall maintain a Counterfeit Item risk mitigation process internally and with its suppliers using SAE AS5553 as a guide.

The Seller shall participate in the Government Industry Data Exchange Program (GIDEP) monitoring and acting on GIDEP reports which affect product delivered to the Buyer. When suspect or confirmed counterfeit item(s) associated with this purchase order are discovered the Seller shall issue a GIDEP report and shall ensure suspect counterfeit items are not delivered to STRAN.

Seller shall immediately notify STRAN with the pertinent facts if Seller becomes aware or suspects that items delivered in accordance with the STRAN purchase order are or contain suspect or confirmed counterfeit items.

When requested by STRAN, Seller shall provide OCM/OEM documentation that authenticates traceability of the affected items to the applicable OCM/OEM.

Seller shall provide evidence of the Seller's risk mitigation process to the STRAN Buyer upon request.

Seller shall purchase material directly from OEMs or OCMs or from Authorized Distributors of OEMs or OCMs and shall obtain approval from the STRAN Buyer if items required to satisfy this order cannot be procured from these sources.

Seller shall present complete and compelling support for any request to procure from sources other than OEMs or OCMs or their Authorized Distributors and include in the request all actions completed to ensure the parts thus procured are not Counterfeit Items. The Seller's supporting documentation shall also include:

- Results of authentication test and analysis conducted. (using AS5553 as a guide)
- Traceability with identification of all supply chain intermediaries wherever such traceability exists.
- Identification of and traceability to the source for any remarked or resurfaced material.

Seller is not authorized to deliver any item procured from sources other than OEMs or OCMs, or their Authorized Distributors without prior written authorization from the STRAN Buyer.

- The seller shall segregate and provide traceability identifiers (i.e. Date Code / Lot Code., Serial number) for all items delivered to STRAN which contain an item procured from sources other than OEM's or OCM's or their Authorized Distributors.

Seller shall flow down to, and ensure compliance with the requirements of this Q-Note by, lower tier suppliers providing items for delivery to STRAN under this order.

SQN-029

SPECIAL PROCESSES-

The Seller shall certify that the following processes such as but not limited to plating, painting, soldering, radiography, welding, heat-treating, cleaning, electroplating, anodizing, chemical films, etc. were performed in accordance with specification requirements (including personnel certification if required) and performed by STRAN approved subcontractors. ***Any processor used by the seller and performing plating, surface finish or conditioning shall be an approved NADCAP Processors for all of the applicable platings (including underplatings), surface finish or conditioning process (es).***

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The list of NADCAP approved suppliers can be found at www.eauditnet.com by creating an account. Upon access, refer to Buyer's Guide in the Public Documents.

SQN-030 SPECIAL REQUIREMENTS

- All products delivered on this Purchase Order shall state Compliance or Non-Compliance with European Union Directive 2002/95/EC which is the Reduction of Hazardous Substance (RoHS) directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- All products delivered on this Purchase Order shall state Compliance or Non-Compliance with REACH which is the European Union regulation on chemicals and their safe use. The Regulation requires that STRAN notify its customers if an article contains one or more REACH Substances of Very High Concern (SVHC) in excess of 0.1% by weight.
- All products delivered on this Purchase Order shall state Compliance or Non-Compliance with The Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 and related U.S. Securities and Exchange Commission rules (the "Conflict Minerals Rules") that requires public companies such as STRAN to disclose, beginning on May 31, 2014, whether the products they manufacture or contract to manufacture contain tantalum, tin, tungsten and gold (the "3TG Minerals") that are sourced from mines in the Democratic Republic of the Congo or adjoining countries

SQN-031 ENSURING AWARENESS

- Supplier to ensure that persons are aware of:
 - their contribution to product or service conformity;
 - their contribution to product safety
 - the importance of ethical behavior.