

PURCHASE ORDER QUALITY CLAUSES

POQC-01: RIGHT OF ACCESS/AWARENESS:

Right of Access by STARC and/or STARC customers, and/or regulatory authorities to all facilities involved in this purchase order and to all applicable records. STARC supplier must be fully aware of their contribution to product conformity, product safety and ethical behavior.

POQC-02: CONTROL OF NONCONFORMING PRODUCT AND CORRECTIVE/PREVENTIVE ACTION:

The Supplier shall provide prompt, written notification to STARC, when nonconforming material or products, affecting drawing, P.O., or specification requirement issues are discovered. The supplier shall not ship such nonconforming until authorization to ship has been obtained from the STARC buyer. The supplier may submit requests for nonconforming material or product review by STARC at the time of notification. The Seller will provide a Corrective/Preventative Action when discrepant material is received by the Buyer. A written report will be furnished within a reasonable time, which is specific and conclusive in nature, to prevent a recurrence of the discrepancy.

POQC-03: PART/MATERIAL/PROCESS SUBSTITUTIONS PROHIBITED (COUNTERFEIT PARTS):

Any unauthorized copy, imitation, substitute, or modified Part, Material, and/or Process substitutions for items stated in this purchase order are not allowed. Any deviations from STARC and/or STARC customers drawing, specifications, and purchase order must be authorized by STARC and/or STARC customers. The supplier shall ensure that these requirements are flowed down through the supply chains that support the items on this purchase order.

POQC-04: SUPPLIER SUB-TIER PROCESS CONTROL:

This clause mandates that all requirements, which are invoked or applied, to STARC customer purchasing document, including this clause, shall be flowed down to the STARC's suppliers and the supplier's sub-tier suppliers.

POQC-05: C.O.C. (CERTIFICATE OF CONFORMANCE):

The supplier shall provide a Certificate of Conformance that certifies that all materials and processes supplied are in accordance with STARC Purchase Order. This document should be signed and dated by the Supplier's Representative. Specifications, Standards, Drawings noted on the Purchase Order are to be of the latest revision unless specifically stated.

Note: An example would be a specifically stated revision level such as "Rev. A".

POQC-06: MATERIAL CERTIFICATION, CHEMICAL AND/OR PHYSICAL TEST DATA, LOT TRACEABILITY:

- A) The Supplier shall furnish material certifications traceable to the lot, batch, block number or heat lot (metals) supplied in accordance with the applicable specification, (latest revision applies unless specifically stated) engineering drawing and/or STARC Purchase Order.
- B) The Supplier shall furnish material certifications listing actual test results traceable to the lot, batch, block, or heat lot number in accordance with the applicable specification, engineering drawing and/or STARC Purchase Order. All test data and certifications traceable to the materials supplied must be kept on file for a minimum of seven (7) years unless otherwise specified by the STARC Purchase Order.

Note: When specified on the Purchase Order, raw material such as titanium, aluminum, etc. must have the appropriate heat lot stamped on each piece for heat lot traceability.

POQC-07: PROCESS CERTIFICATION:

The Supplier shall furnish Certifications of Conformance for all special processes in accordance with applicable specifications and/or engineering drawing as required by the STARC Purchase Order. Special process certifications for serialized parts and/or assemblies must reference the applicable serial number(s) for traceability.

Caution: When specified on the Purchase Order, the Supplier performing the special process must be customer approved (ISO 9001, AS9100, NIST, etc.).

POQC-08: D.I.R. (dimensional inspection report):

The Supplier shall furnish an inspection report for each lot of parts submitted, based on a sample inspection of the parts most critical features. All sampling plans must meet the requirements of ANSI/ASQC Z1.4 (formerly MIL-STD-105).

POQC-09: F.A.I.R. (First Article Inspection Report):

The Supplier shall furnish a complete First Article Inspection Report (F.A.I.R.) for one or more parts, listing actual inspection results for all drawing dimensions and all applicable notes. The parts used to perform the First Article shall be tagged. First Article acceptance by STARC shall not constitute final acceptance of the lot nor relieve the Supplier of the obligation to furnish all parts that meet all drawing, specification and/or Purchase Order requirements.

PURCHASE ORDER QUALITY CLAUSES

POQC-10: TEMPERATURE/SHELF LIFE SENSITIVE MATERIALS:

The Supplier shall provide certifications for temperature and age sensitive materials, i.e. epoxies, paints, prepregs, adhesives, etc., which reflect date of manufacture, date of test, shelf life, expiration date, and storage temperature as it applies to each lot/batch. Container label(s) must also reflect applicable lot/batch number(s), storage temperature and expiration date. Do not ship materials having less than 90% shelf life remaining without the written approval of the STARC Purchasing Agent.

POQC-11: CERTIFICATE OF ANALYSIS (C.O.A.) TEST REPORT:

The Supplier shall furnish a C.O.A. or Test Report, and test data as required by the applicable specifications, drawings, and/or Purchase Order requirements for testing performed. Each C.O.A. or Test Report shall be traceable to the material or parts tested and shall include the specification or drawing revision level. Signature and title of authorized representative of the performing organization, and the applicable specification. The C.O.A. or Test Report shall include the testing method(s) used. An example would be: A-Scan, C-Scan, Dye Penetrant, Fiber Volume Testing, Fluorescent Penetrant, Magnetic Particle, Nondestructive Testing, Radiographic Analysis, Thermal Cycling, Twist Testing, Void Content Testing, etc.

POQC-12: IDENTIFICATION AND MARKING:

The Supplier shall identify all items, parts, components, subassemblies and/or assemblies with the appropriate part number and revision level as noted on the part drawing or as otherwise specified in this Purchase Order. Parts and/or materials that are not suitable for marking due to size and/or configuration may be identified using the bag and tag methods outlined in MIL-STD-130.

POQC-13: STARC SOURCE INSPECTION:

This Purchase Order requires that STARC Source Inspection be performed prior to shipment. Please notify the STARC Purchasing Agent, 48 hours in advance of the date source inspection will be required at your facility. STARC Source Inspection does not preclude subsequent inspection nor does it relieve the supplier of the responsibility of providing acceptable product.

POQC-14: QUALITY SYSTEM:

- A) The supplier must be able to maintain a Quality System that meets or exceeds ISO 9001 or AS 9100 (current revision).
- B) The supplier must be able to maintain a Quality System that meets or exceeds MIL-I-45208A or MIL-Q-9858.
- C) The supplier must be able to maintain a Quality System that meets or exceeds industry standards and ensures adequate product conformance and appropriate objective evidence to meet usual business responsibilities.

POQC-15: STARC AND/OR STARC CUSTOMERS WITNESS INSPECTION:

Work under this Purchase Order/contract is subject to STARC and/or STARC Customer witness inspection at supplier's facility and/or sub-tier supplier's facility. The supplier will be notified 48 hours in advance of the date if a witness inspection is to be conducted.

POQC-16: GOVERNMENT SOURCE INSPECTION:

Government Source Inspection is required prior to shipment from your plant. Upon receipt of this Purchase Order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished.

POQC-17: STARC AND/OR STARC CUSTOMERS SURVEY/AUDIT:

STARC and/or STARC customers reserve the right to conduct a Survey/Audit of the supplier's facility and the supplier's sub-tier suppliers to determine their capability to comply with the requirements of the Purchase Order. The supplier will be notified 48 hours in advance of the date that a Survey/Audit will occur.

POQC-18: MEASURING AND TEST EQUIPMENT CALIBRATION SYSTEM:

The supplier shall establish and maintain documented procedures to control, calibrate and maintain inspection, measurement and test equipment (including test software and tooling), used by the supplier to demonstrate the conformance of product to the specified requirements, in accordance with ANSI Z540-1 (formerly MIL-STD-45662) or ISO 10012-1.

POQC-19: PACKAGING AND SHIPMENT:

All items delivered on this order must be adequately preserved, packaged and contained to prevent deterioration and damage during shipment. The shipping method should ensure safe arrival at destination in accordance with good commercial practices, unless special packaging and shipping instructions are specified in this Purchase Order and/or drawing(s)/specification(s).

Note: The use of newsprint for packaging is prohibited.

PURCHASE ORDER QUALITY CLAUSES

POQC-20: PROHIBITED MATERIALS:

The use of pure unalloyed tin is prohibited in the construction and surface finish of space hardware. Parts with tin alloys containing less than 97% tin are acceptable. The use of cadmium or zinc is prohibited in the construction and surface finish of space hardware. Parts containing cadmium alloys or zinc alloys (e.g. brass) must be completely overplated with an approved metal. Any exceptions to these prohibitions must be approved in advance by STARC in writing.

POQC-21: ACQUISITION/USE OF NON-DOMESTIC SPECIALTY METALS:

The seller agrees not to incorporate into any articles to be delivered under this purchase order, specialty metals not melted in the United States, its possessions, Puerto Rico, or a qualifying country. Specialty metals are defined in Defense Federal Acquisition Regulation Supplement (DFARS 252.225-7014 and its Alternate 1). Qualifying countries are listed in DFARS 225.872-1(a).

In addition to the DFARS provisions referenced above, all articles containing specialty metals must conform to all applicable contract requirements (e.g., specification(s), statement of work, drawings, etc.).

SELLER FURNISHED MATERIAL CERTIFICATION FOR SPECIALTY METALS ONLY

Seller shall document and maintain material certification containing the following:

- 1.) Description of the material used in the manufacture of the end-item.
- 2.) Material specifications.
- 3.) Lot, heat or batch number identification.
- 4.) Source of procurement.
- 5.) Origin of material.
- 6.) Name and location of Melting facility.
- 7.) Name and Location of mill.
- 8.) Mill certification.
- 9.) All other requirements as specified in the applicable raw material specification including chemical and physical analysis.

Note: Seller shall retain certification for a period of no less than seven (7) years after final payment.

Note: Specialty Metals are defined in the Defense Federal Acquisition Regulation Supplement (DFARS) clause 252.225-7014, Preference for Domestic Specialty Metals, and its Alternate I.

POQC-22: FOREIGN OBJECT DEBRIS (FOD) PREVENTION PROGRAM:

The supplier shall establish and maintain an effective Foreign Object Debris (FOD) prevention program to eliminate FOD in items delivered to STARC. Industry specification NAS412 may be used as a guideline in complying with this requirement. The written procedures/policies developed by the supplier shall be subject to STARC review and audit.

CUSTOMER LINKS:

<http://www.boeing.com/suppliers.com/clauses/clauses.html>

<http://www.raytheon.com/connections/supplier/terms/index.html>

<http://www.orbital.com/Suppliers/QualityProvisions/LSG/>