

QUALITY CONTROL INSTRUCTION

<b>QCI: 6.1.1</b>	<b>TITLE: PURCHASE ORDER NOTES AND CODES</b>
<b>ISSUE DATE: 10/18/2016</b>	<b>REVIEWED BY:</b> Josh Shevlin <i>JS</i>
<b>REV DATE: 1/11/2023</b>	<b>MFG APPROVAL:</b> <i>Brian Bacon</i>
<b>REV: K</b>	<b>ENG APPROVAL:</b> <i>Landa Castillo</i>
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**1.0 PURPOSE:**

- 1.1 To meet the intent of AS9100 Section 8.4 Control of Externally Provided Processes, Products and Services, to ensure purchased product conforms to specified purchase requirements by flowing down the necessary quality requirements and selecting approved suppliers to ensure product realization.

**2.0 REFERENCES:**

- 2.1 AS9100 Quality Management Systems – Requirements for Aviation, Space, and Defense Organizations
- 2.2 AS9102 – Aerospace First Article Inspection Requirement
- 2.3 ANSI ASQ Z1.4 American National Standard – Sampling Procedures and Tables for Inspection by Attributes
- 2.4 AWS 5.10 American National Standard – Specification for Bare Aluminum and Aluminum Alloy Welding Electrodes and Rods
- 2.5 ISO9001 Quality Management Systems – Requirements
- 2.6 ISO10012-1 International Standard – Quality Assurance Requirements for Measuring Equipment
- 2.7 ISO17025 – General Requirements for the Competence of Testing and Calibration Laboratories
- 2.8 MIL-A-18455 Military Specification – Argon, Technical
- 2.9 MIL-I-45208 Military Specification – Inspection System Requirements
- 2.10 MIL-STD-45662 Military Standard – Calibration System Requirements
- 2.11 41 CFR 60-300.5(A) – Preliminary Matters, Equal Opportunity Clause
- 2.12 41 CFR 60-741.5(A) – Preliminary Matters, Equal Opportunity Clause
- 2.13 15 CFR 700 – Defense Priorities and Allocations System
- 2.14 CGA G-11.1 – Commodity Specification for Argon
- 2.15 BB-H-1168 Federal Specification – Helium, Technical
- 2.16 QCS-001 – Seller Quality Requirements
- 2.17 ASQR-01 – Assessment Form
- 2.18 UTCQR-09-1 – Process Control Requirements
- 2.19 HSM-17 – Supplier Product Release Program
- 2.20 HSM-19 – UTAS Corporation Counterfeit Avoidance Buy Requirement Guide
- 2.21 D1-4426 – Boeing Approved Process Sources

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### 3.0 ACRONYMS:

- 3.1 P.O.: Purchase Order
- 3.2 SDS: Safety Data Sheet
- 3.3 GHS: Global Harmonized System
- 3.4 REACH: Registration, Evaluation, Authorization, and Restriction
- 3.5 RoHS: Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment
- 3.6 C of C: Certificate of Conformance
- 3.7 DFAR: Defense Federal Acquisition Regulation
- 3.8 OCM: Original Component Manufacturer
- 3.9 OEM: Original Equipment Manufacturer
- 3.10 ILAC: International Laboratory Accreditation Cooperation
- 3.11 KC: Key Characteristic

### 4.0 RESPONSIBILITIES:

#### 4.1 **Purchasing and Engineering:**

4.1.1 It shall be the responsibility of Purchasing and Engineering to identify the proper service the supplier will be performing, into the body of the purchase order. This is accomplished by stating the specification, drawing, or part number to be utilized in order to fulfill P.O. requirements.

4.1.1.1 It is the responsibility of Purchasing to verify that the supplier chosen is capable of performing the function, per required P.O. notes.

4.1.1.2 It is the responsibility of Purchasing to validate the integrity of all P.O. information, including the link to quality clauses before the P.O. is sent to the Supplier.

#### 4.2 **Supplier(s):**

4.2.1 It shall be the responsibility of supplier to review table I and comply with the clause(s) applicable to the process/service required to be performed, per P.O.; work to applicable purchase note and/or code to comply with requirements specified herein.

4.2.1.1 Use the latest revision of specification required to fulfill P.O. requirements, unless otherwise specified in the P.O. that a previous revision is needed.

4.2.1.2 If at any point supplier has a concern regarding the purchase order notes and/or codes flowed down, is unsure of what services apply to their P.O., cannot obtain or is unsure of the latest revision of flowed down specification, or feel they cannot comply with requirements, Brazonics purchasing department shall be contacted prior to proceeding.

4.2.2 Apply the appropriate controls to their direct and sub-tier external providers to ensure that Brazonics requirements are met and flowed down as applicable to other supplier's tiers.

4.2.3 Ensure personnel performing the work are competent and have all applicable qualifications.

4.2.4 Ensure that persons are aware of their contribution to product or service conformity, product safety, and the importance of ethical behavior.

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4.2.5 Understand that Brazonics evaluates each supplier (of raw material, machined parts, special processes, quality services, and customer approved sources) based on their ability to supply product in accordance with flowed down requirements with focus on quality and delivery. Based on the results from this review, supplier may receive a corrective action, be removed from our approved suppliers list, or placed on probation. Suppliers placed on probation, are required to submit an improvement plan.

4.2.5.1 If the supplier is AS9100 accredited, they will be able to be approved without having to fill out our surveys; however, there is some information that will need to be provided by the supplier if not already supplied.

4.3 **Quality:**

4.3.1 It shall be the responsibility of Quality to ensure that these requirements are adhered to.

5.0 **QUALITY ASSURANCE PURCHASE ORDER NOTES AND CODES REQUIREMENTS:**

5.1 Applicability: The Quality Assurance Requirements specified on the purchase order comprise an integral part of the purchase order. Items which do not conform to the requirements are subject to rejection and returned for rework or replacement.

**Table 1**

Chem Film, EDM, Passivation, Special Processes	P01, P11, Q01, Q03, Q12
Fin	P01, P11, Q01, Q08, Q11, Q12, Q14
Plate	P01, Q01, Q02, Q03, Q04, Q11, Q12, Q14
Paint	P01, P11, Q01, Q04, Q06, Q14
OV – Machine	P01, P11, Q01, Q04, Q08
Hardware	P01, P11, Q01, Q04, Q08, Q12, Q14
Raw Material	P01, P11, Q01, Q02, Q04, Q12, Q14
Test Labs	P01, Q01, Q04
Destructive Test Labs	P01, Q01, Q04, Q14
Chemicals	P01, P11, Q01, Q04, Q14
Calibration	P01, Q04, Q07
Source Inspection	Q05
Welding Gas	P01, Q01, Q04, Q10, Q14
Expense Only	P01
Expense with Certifications	P01, Q01, Q04
<b>In addition to the above process codes/notes, add the following customer specific codes as applicable:</b>	
Peerless	P09
Hamilton	Q27
Boeing	Q34
Lockheed	Q20
Lockheed F22 P.O.s	Q20, Q21
Northrop Grumman	Northrop Grumman CTM-P-ST-001 (Rev. 01/2019) Clauses 31, 33, 38, 41, 49, 50, and 58 apply.
Viasat	Q35
Government Rated Order	P01.1
Paint Coupons	Q09

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**P01 STANDARD P.O. NOTE**

- Confirming P.O. - DO NOT DUPLICATE.
- Use of Ozone depleting substances prohibited.
- The Terms & Conditions of purchase applies to this order. Terms of Purchase can be found at <https://portal.rockwellcollins.com/web/thermal-electronic-systems/brazonics>

Brazonics, Inc. is an affirmative action/equal opportunity/e-verify employer.

The following applies:

The Equal Employment Opportunity clauses in Section 202 of Executive Order 11246, Section 503 of the Rehabilitation Act of 1973, and Section 4212 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended, 29 CFR Part 471, Appendix A to Subpart A (EO13496), and the implementing rules and regulations of the Office of Federal Contract Compliance Programs (41 CFR, Chapter 60) are incorporated herein.

**THIS CONTRACTOR AND SUBCONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF 41 CFR 60-300.5(A) AND 41 CFR 60-741.5(A). THESE REGULATIONS PROHIBIT DISCRIMINATION AGAINST QUALIFIED INDIVIDUALS ON THE BASIS OF PROTECTED VETERAN STATUS OR DISABILITY AND REQUIRES AFFIRMATIVE ACTION BY COVERED PRIME CONTRACTORS AND SUBCONTRACTORS TO EMPLOY AND ADVANCE IN EMPLOYMENT QUALIFIED PROTECTED VETERANS AND INDIVIDUALS WITH DISABILITIES, AND TO TREAT QUALIFIED INDIVIDUALS WITHOUT DISCRIMINATION ON THE BASIS OF THEIR PHYSICAL OR MENTAL DISABILITY.**

**ITAR Controlled Commodities, Technology and/or Software Export Compliance STATEMENT**  
The information contained in this Purchase Order (PO) is sensitive to U.S. export laws and regulations. Acceptance of this purchase order binds your company to the following:

- A. The goods being procured will not be used or transferred for the purpose associated with chemical, biological, or nuclear weapons or missiles. Nor will they be resold if it is known that they are intended or likely to be used to such a purpose.
- B. The understanding that the Brazonics goods and technology (i.e., drawings, parts) are controlled by the U.S. Department of State, International Traffic in Arms Regulations and/or Department of Commerce, Export Administration. Regulations.
- C. Upon acceptance of this PO your company assumes all responsibilities for export compliance and to ensure the goods and/or technology will not be exported, re-exported, released or disclosed to foreign nationals inside or outside the U.S. without prior U.S. Government export authorization.
- D. Agree that export control requirements stated above shall survive the completion, early termination, cancellation or expiration of the applicable purchase order, agreement or contract.
- E. The process and control factors, a preproduction part, or both, whichever is specified, shall be approved by the cognizant engineering organization before parts are supplied.

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**Suspect Counterfeit Parts**

Seller shall supply Articles that are not and do not contain suspect/counterfeit parts. A suspect item is an item in which there is an indication by visual inspection, testing, or other information that may not conform to established government or industry accepted specifications or national consensus standards. A suspect/counterfeit item is any item that is a copy or substitute without legal right or authority to do so, or one whose material, performance, characteristics or identity does not appear to be authentic. The term also includes approved Article that has reached a design life limit or has been damaged beyond possible repair but are altered and deliberately misrepresented as acceptable. Failure by Seller to document material substitution or identify that an item has been refurbished is considered to be fraud, and the item then becomes suspect/counterfeit.

If at any point an item is suspected to be counterfeit, supplier shall notify Brazonics purchasing department representative immediately and provide all applicable identification so the item can be recalled accordingly.

**Quality System**

The supplier shall maintain an effective Quality System in accordance with any of the following; AS 9100, ISO 9001, MIL-I-45208, or equivalent that relate to customer product or as approved by Brazonics.

**Foreign Object Damage (FOD) Prevention**

The supplier shall establish and maintain an effective Foreign Object Damage/Debris (FOD) Prevention Program in order to prevent, detect, and remove FOD throughout all processes.

The supplier shall utilize effective FOD prevention practices.

The written procedures or policies developed by the supplier shall be subject to review and audit by Brazonics, and disapproval when the supplier prevention program does not accomplish its objectives.

**Handling, Storage, Packaging and Preservation and Delivery:**

Supplier shall maintain a process for handling, storage, packaging, preservation, and delivery of the product to prevent damage deterioration, and contamination. Supplier and sub-tiers shall properly wrap box or rack parts to guard against shipping damage and to apply rust or corrosion protection.

**Calibration System**

The supplier shall maintain an effective Calibration System in accordance with ISO 10012-1, MIL-STD-45662, or equivalent.

**Right of Access**

Work under this P.O. is subject to Brazonics, Brazonics' customers and/or government and regulatory agency personnel periodic surveillance/audits of the process and all facilities of the supplier, including those facilities of sub-tiers where worked is being performed or is scheduled to be performed. Supplier shall include the provisions of this facility access requirements in its P.O. with its sub-tier processors.

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**Nonconforming Materials**

The supplier shall notify Brazonics, via Purchasing Department, of any Nonconforming Material. Materials shall be identified as Nonconforming prior to shipment; data shall be supplied of the Nonconformance. Purchasing department representative is to notify Engineering and Quality Management representative or designee of the nonconformance.

**Notification of Changes**

The supplier shall notify Brazonics of any changes to the supplier product/process or change of plant location and ownership. Notification to Brazonics shall be done in writing, via Purchasing Department, at least 90 days in advance of any of these changes. Purchasing department representative is to notify Quality Management representative or designee of the changes.

**Control of Records**

The supplier shall maintain Control of Records for a period of 10 years minimum or longer, if required by the Purchase Order. Those records shall be maintained by the supplier and destroyed after 10 years of P.O. closure or as required by P.O., it is the supplier responsibility to safely remove and/or destroy the records as applicable. Records shall be available if required. Unless otherwise specified in the P.O., latest revision of specifications must be used.

**Work Transition**

Supplier must notify Brazonics of any work transition. If work transition is approved by Brazonics, supplier must have a process to manage work transfers. Brazonics supplier shall provide information in regards of the new producer/supplier capabilities and production readiness.

**Abrasives**

No abrasive pads, sandpaper, disc, orbital sanding, etc. shall be used for surface preparation of parts. Tumble deburring not permitted without written consent or allowance on engineering drawing.

**Chemical Labels**

This applies if the supplier is providing chemicals to Brazonics, all chemicals purchased must be identified with GHS chemical labels. In addition, suppliers must include or submit the chemical(s) SDS all products on every shipment. Commodity containers must be labeled on both, container, and shipment box, as well as any decanted containers, if any is used.

**Material Shelf-Life Requirements**

Materials or articles requiring a limited shelf life shall be labeled with the expiration date. Ensure that there is minimum 80% of the shelf-life remaining from the date of manufacture. This requirement does not apply to items with a shelf life longer than a year. If the product has more than 80% of shelf life expired, contact purchasing for return and replacement of the material. Refer to QCI 7.2 Section 15.0 for more details unless product is not available and will be consumed prior to expiration date.

**P01.1 GOVERNMENT RATED ORDER:**

This is a rated order for national defense use, and you are required to follow all the provisions of the Defense. Priorities and Allocations System regulation (15CFR 700). The Rating to support this order is DX or DO.

This document does not contain any export controlled technical data.

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**P09 PEERLESS INSTRUMENT FLOW DOWN**

The following statements shall be preprinted in each manufacturing inspection or test record, and certification used in conjunction with this P.O.:

“The recording of false, fictitious, or fraudulent statements or entries on this document may be punishable as a felony under Federal Statute.”

“Material furnished does not contain, nor has been contaminated by mercury or mercury compounds.”

**P11 REACH and RoHS Compliance:**

All product delivered shall be REACH compliant per EU Regulation 1907/2006 and RoHS compliant per EU Directive 2011/65/EU. In the event of any contradiction between this clause and customer flowed down specifications/requirements, customer requirements take precedence. If there's any question or concern regarding this clause; supplier shall contact Brazonics buyer, before proceeding.

**Q01 CERTIFICATE OF CONFORMANCE (C of C)**

A Certificate of Conformance, signed by a company official, shall accompany each shipment and shall be legible, and contain the following information:

- a) Supplier Name
- b) Purchase Order Number
- c) Part Number
- d) Part Revision
- e) Quantity
- f) Serial Numbers (if applicable)
- g) Special Processes, specifications used to fulfill P.O. requirements, including revisions of specifications
- h) Date
- i) Authorized Signature and Title
- j) A Statement certifying product compliance and traceability.
- k) The C of C or other company document shall contain a DFAR compliance statement, when required.

**NOTES:**

- a) When special processes are performed by companies other than the supplier directly providing the item to Brazonics, all C of C's from the company performing special processes shall be provided to Brazonics with each shipment.
- b) When supplying welding rod, a Certificate of Conformance, as required above shall accompany each shipment and shall include a statement certifying to the requirements of A.W.S. 5.10.
- c) When supplying hardware items, manufactured items (e.g., piece part components, etc.), the C of C from the supplier to Brazonics, must have unbroken traceability to the manufacturer production batch. Refer to note E below, for unbroken traceability clarification.
- d) When supplying machined parts, the C of C must have unbroken traceability to the raw material mill house. Refer to note E below, for unbroken traceability clarification.

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**e) Unbroken Traceability clarification:**

- i. If part is provided through distribution, the distributor must provide a C of C confirming that there is un-broken traceability from all intermediaries back to the OCM/OEM. Therefore, the C of C shall include traceability from the OCM/OEM all the way to the C of C provided to Brazonics.
- ii. For all machined components, supplier documentation/C of C shall contain at a minimum the manufacturer, distributor, distributor purchase order number, part number, quantity, and date code of each quantity supplied. If bought direct from the OCM/OEM, the OCM/OEM shall provide a C of C. If bought through distribution, the distributor must provide a C of C confirming there is un-broken traceability back to the OCM/OEM. Therefore, C of C shall include traceability from the OCM/OEM all the way to the C of C provided to Brazonics.
- iii. If a part is bought direct from the OCM/OEM per customer drawing, the OCM/OEM must provide a C of C.

**Q02 Raw Material Laboratory Report and Documentation Requirements**

Raw Material used in the fabrication of this Order shall be traceable to the Mill Lot Number, a Laboratory Certificate of actual chemical analysis and mechanical or physical property test results as called for on the governing material specification. A copy of this Certificate must accompany each delivery and contain Chemical Analysis, Mechanical Properties, Name of Laboratory, Signature and Title of the person responsible for the testing performed. A Mill Analysis traceable to the Mill Heat Number is acceptable. Certificate must be legible.

**Q03 Serialization**

Serialized Assemblies shall be traceable to the Product Acceptance Records that are associated with the overall assembly. The assembly shall also be traceable to each Serialized or Lot-Numbered Sub-Assembly or part and their Product Acceptance Records.

**Q04 Test and Inspection Data Requirements**

Acceptance test data and/or inspection results, shall accompany every shipment. These reports shall be validated by an authorized representative of the Suppliers Quality Department and stamped for approval after acceptance.

Examples: Machine Shop - SPC Data, 1st piece Inspection

In-Process Inspection, etc.

Painting - Paint thickness, texture, etc.

Plating - Plating thickness, etc.

All data shall be legible.

**Q05 SOURCE INSPECTION**

Brazonics Source Inspection is required prior to shipment from the Supplier's facility. Notify the Brazonics Quality Assurance Department 72 hours in advance of need of Source Inspection. The Supplier shall make available to the Brazonics Quality Representative any necessary specifications, documents, and facilities. This requirement does not relieve the Supplier of the responsibility for Final Inspection, prior to presenting the product to Brazonics representative.



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### **Q06 Paint Certification Requirements**

Certification shall include the following;

1. Part Numbers painted on this Purchase Order.
2. Quantity & Serial Number Reference of parts painted on this Purchase Order.
3. Specifications used, according to drawing and/or P.O. requirements, (e.g., MIL-P-53022, MIL-C-22750, etc.), and specification revision.
4. Primer & Paint Manufacturers.
5. Batch Numbers of Primer (A & B) and Paint (A & B).
6. FED-STD-595 Color Chip #.
7. Copy original manufacturers Certification of Primer and Paint.
8. All Primer & Paint **MUST** be purchased from a QPL Approved Source.

NOTES: All assemblies that are tagged and wired to the part during supplier processing, must stay with the associated assemblies at all times. Certificate of Conformance shall be legible.

### **Q07 CALIBRATION C of C**

Calibration Certificates of Conformance must state the following information as a minimum.

- a) Name and address of agency performing the calibration
- b) Description of equipment and operating range, including the precision and accuracy of the instrument.
  - o Provide a Statement of Uncertainty, when applicable.
- c) Primary standard or equipment shall be included and traceable to NIST. In the rare case where a national standard does not exist for a particular piece of equipment, the basis for performing calibration (i.e., ration type calibration, comparison to consensus standards) and the verification of its accuracy shall be documented.
- d) Calibration method used.
- e) Date of calibration shall be stated.
- f) The “as found” and “as left” conditions shall be documented when the instrument was adjusted or repaired during the course of calibration.
- g) Calibration personnel shall be identified, and certificate shall be signed/stamped by authorizing person.
- h) Indicate the Environmental Conditions under which the results were obtained.
- i) Quantity.
- j) Identify the Calibration Source as calibrated (Pass/Fail).
- k) Title and Statement Certifying to the requirements of ISO 10012-1-QA Requirements for Measuring Equipment, or applicable specification.
- l) Certificate shall be legible.

#### **NOTES:**

- a) **Calibration shall be performed by an ISO 17025 accredited source or documented evaluation and shall be carried out under suitable environmental conditions.**
- b) **When a tool box is presented for calibration, it is the responsibility of calibration personnel to ensure all tools within the tool box are calibrated; therefore, all drawers must be reviewed to ensure all tools are accounted for.**

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### **Q08 SAMPLING PLAN**

When sampling plan is used by the supplier to accept product supplied to Brazonics, the sampling plan shall be justified on the basis of recognized statistical principles and appropriate for use (i.e., matching the sampling plan to the criticality of the product and to the process capability).

If supplier has any doubt of what sampling standard to use, ANSI ASQ Z1.4 shall be used.

Sampling plan does not relieve the Supplier of the responsibility of providing 100% compliant lots to Brazonics.

### **Q09 PAINT TEST COUPONS REQUIRED ON THIS PURCHASE ORDER**

The Vendor shall prepare a sample panel in accordance with the applicable specification and processed with the actual product applied to the units per this Purchase Order. The sample coupon shall be 3" x 5" x .06 thick 6061-T6 aluminum. The coatings shall be applied to overlap subsequent coatings at 1/2" intervals. The uncoated side of the sample coupon shall be identified with the Vendors Company name, Purchase Order Number, Part Number and Specification of Coating Material(s). Paint test coupons shall be returned to Brazonics with the corresponding order.

### **Q10 WELDING GASES**

A. *ARGON* – A Certificate of Conformance signed by a company official shall accompany each shipment and contain the following information: Supplier Name, Purchase Order, Quantity, Date, Authorized Signature, Title and Statement Certifying to the requirements of MIL-A-18455 or CGA G-11.1. Certificate of Conformance shall be legible.

B. *ARGON HELIUM MIXTURE* – A Certificate of Conformance signed by a company official shall accompany each shipment and contain the following information: Supplier Name, Purchase Order, Quantity, Date, Authorized Signature, Title and Statement Certifying to the requirements of MIL-A-18455 or CGA G-11.1 for Argon and BB-H-1168 or CGA G-9.1 except 99.996 percent (min) purity argon by volume; dew point -76F or lower; oxygen 10.0 PPM (max) by vol. Helium, Grade A except dew point -76F or lower. Certificate of Conformance shall be legible.

**Note:** Gas Mixtures: The purity of the gases in the mixture shall be as specified for individual gases listed. Composition of gas mixture shall be specified by the fabricator. (75% Argon; 25% Helium).

### **Q11 First Article Inspection (FAI)**

It is the responsibility of the supplier to ensure FAI (full or partial) take place on:

- a) The first production run of a new part,
- b) When changes occur that invalidates the original results (e.g., revision change, production process change, etc.)
- c) A change in design characteristics that affects fit, form, or function of the part.
- d) A change in manufacturing source(s), process(s), inspection method(s), location of manufacture, tooling, or materials that can potentially affect fit, form, or function.
- e) A change in numerical control program or translation to another media that could potentially affect fit, form, or function.
- f) A natural or man-made event, which may adversely affect the manufacturing process.
- g) An implementation of corrective action required to complete previous FAI, to account for all nonconforming characteristics. FAI is not considered complete until all nonconformities are taken care of.

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h) When a lapse of two (2) years in manufacturing has occurred, or as indicated by Brazonics. Supplier shall provide FAI data reports on an AS9102 form, IAW AS9100. Forms shall be the latest revision in effect at the time of processing. Supplier may elect to use their own proprietary forms, as long as all requirements of AS9102 are met. Supplier may also provide all dimensional data recorded in the item engineering drawing, as long as all dimensions have been accounted for and compliant to requirements. Supplier may also distinguish any KC's that will be included in the FAI (full or partial).

**Q12 (DFAR) 252.225-7008, 252.225-7009, or 252.225-7014 ALT 1 Domestic Specialty Metals**

Any specialty metals used in any deliverable product must be melted in the United States or a qualifying country, a certification stating DFAR compliance and country of origin are required to accompany delivery. The chemical and physical analysis reports shall be maintained by supplier and be available upon request, if not provided with the shipment.

**Q13 METALLOGRAPHIC & DESTRUCTIVE TEST RESULTS**

All photos, samples & mounts shall be returned to Brazonics, Inc. or safely stored by the laboratory for a minimum of one year.

Accreditation by either Nadcap or by signatories to the ILAC is required for material testing laboratories.

**Q14 COMMERCIAL OF THE SHELF (COTS)**

COTS products require manufacturer C of C, with part number, revision, lot number, material traceability, statement of conformance. If from a distributor, ensure the distributor is qualified for Hamilton Sundstrand (HS) items, distributor must be in Hamilton's Approved Supplier List, see a Hamilton DQR for assistance with Hamilton's Approved Supplier List.

**Q20 LOCKHEED MARTIN AERONAUTICAL APPENDIX QJ**

Processing to be accomplished in performance of this purchase order is directly related to a Lockheed Martin Aeronautics Company purchase order and must be accomplished in accordance with process specification(s) on this purchase order and the revision in effect as of the date of this P.O. of Lockheed Martin Aeronautics Company Appendix QJ.

Supplier can request a copy of Appendix QJ from Brazonics buyer, if not provided at the time of P.O. placement or supplier doesn't have direct access to Lockheed document.

Sub-tier QCS-001 Process Source is to identify specification(s) title, specific revision level(s), and drawing(s) requirement(s) to be performed by a QCS-001 source.

QCS-001 document can be found here: <https://www.lockheedmartin.com/content/dam/lockheed-martin/aero/documents/scm/Quality-Requirements/Control-Specs/qcs-001.pdf>

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**Q21 LOCKHEED MARTIN AERONAUTICAL QCS-001**

Supplier QCS-001 Process Source must submit a certificate of conformance (C of C) with a unique certification number with each shipment asserting that the items contained within the shipment are in total compliance with the requirements of this P.O.; C of C shall include process specifications exceptions (e.g., pre-clean, stress relief/bake, etch, etc.) and the following data elements/information:

- a) Title, specification number (Including revision letter) and QCS-001 process code of the process,
- b) Name and address of the process facility,
- c) Lockheed Martin assigned processor number,
- d) Date the C of C was issued,
- e) Purchase order and purchase order part number,
- f) Quantity of parts (to include quantity accepted/rejected),
- g) Signature and title of authorized quality agent of QCS-001 Process Source,
- h) Fracture durability classification or serialization per customer PO.

Sub-tier QCS-001 Process Source is to identify specification(s) title, specific revision level(s), and drawing(s) requirement(s) to be performed by a QCS-001 source.

QCS-001 document can be found here: <https://www.lockheedmartin.com/content/dam/lockheed-martin/aero/documents/scm/Quality-Requirements/Control-Specs/qcs-001.pdf>

**Q27 THIS PRODUCT IS USED FOR COLLINS AEROSPACE MEMBER'S END USE**

This product is for Collins Aerospace (formerly UTC/Hamilton) member's end use and must be controlled per applicable specifications: ASQR-01 (supplier quality requirements), UTCQR-09-1 (process certification requirements), HSM-17 (supplier product-release program), HSM-19 and purchase order requirements.

**Q34 PRODUCT FOR BOEING**

All products for Boeing will be processed using Boeing approved sources listed on the D1-4426 approved Suppliers List. Any associated testing must also be performed by a Boeing approved source listed on the D1-4426 approved supplier list.

**Q35 PRODUCT FOR VIASAT**

Products for ViaSat are subject to additional requirements, as flowed down individually on the purchase order, per ViaSat Quality Assurance Procurement Provisions – QAPPS document PR000512 (version as specified on the purchase order).