



PROCUREMENT QUALITY REQUIREMENTS

- Note 1:** Clause Q00 applies to all purchase orders.
Note 2: Clause Q01 applies to all purchase orders, except calibration.
Note 3: Clause Q02 applies to all calibration purchase orders.
Note 4: All other clauses designated on purchase orders as applicable.

Title	Name	Approval
QA Mgr	Brian Rosengrant	
Prod. Control	Mark Adelman	

Q00 SUPPLIER REQUIREMENTS

QUALITY PROGRAM REQUIREMENTS:

The standards designated below are to be applied by the supplier when planning, documenting and implementing their quality systems. Suppliers must keep their publications of quality requirements current with their operations and quality systems requirements. Sampling inspection methods and procedures used by the supplier to determine quality of materials defined in the purchase order shall comply with ANSI/ASQC Z1.4-2008 or statistical methods defined within procurement/product specification. Product characteristics not verifiable upon receipt at Betatronix shall receive 100% verification prior to final acceptance by the supplier.

One (1) or more of the following quality systems will apply when indicated by the appropriate "Q" clause code on the applicable purchase order:

- ANSI/ASQC Q9001
- ANSI/ASQC Q9002
- NHB5300.4 (IC)
- ANSI/ASQC Q9003.
- Title 14, Code of Federal Regulations, Part 145, Domestic Repair Station.

SUPPLIER CONTRIBUTIONS:

To Product or Service Conformity: We, at Betatronix, expect all our suppliers ensure all employees understand their individual roles in achieving quality at their company and consequently help Betatronix in achieving our Quality goals.

To Product Safety: We, at Betatronix, expect all our suppliers ensure employees have been trained on the safety requirements and usage of products including (among other items): FOD, shelf-life controls, storage and handling conditions.

The importance of ethical behavior in your company: We, at Betatronix, expect all our suppliers ensure employees provide accurate and forthright information regarding the status of product and include any non-conformance(s).

RIGHT OF ACCESS:

Any person duly Authorized by Betatronix including the appropriate Customer or Government representative, shall not be unreasonably refused permission by the supplier to enter any works, warehouse or other premises, under the supplier's control, for the purpose of surveillance or inspection of materials procured or used for the manufacture of goods under this purchase order. Betatronix, it's Customers, the F.A.A., and Government Agencies, shall be allowed to determine and verify the quality of work, records, and material at any place, including the plant of any supplier, and at all production stages, of materials intended for incorporation into Betatronix end products.

AUDIT RESPONSIBILITY FOR QUALITY SYSTEMS AND CONTROLLED / SPECIAL PROCESS COMPLIANCE:

All suppliers are responsible for sustaining quality system compliance.

All manufacturing suppliers performing Controlled / Special Processes are responsible for sustaining NADCAP or similar industry accepted certification, or, Betatronix customer approved source compliance, unless stated otherwise in the purchase order.

All processor (non-manufacturing) suppliers: Accreditation to NADCAP processes and AC7004 shall be accepted in lieu of AS system audit. AS9003 compliance is also acceptable for process suppliers.

Manufacturers of non-complex hardware: Audits shall be per Betatronix mail-in audit form QCF-131, when required. All vendors surveyed and approved shall be listed on Betatronix Approved Vendor Listing.

CHANGE NOTIFICATION:

The supplier shall notify Betatronix of any change in product, process, supplier, or manufacturing location. Supplier may require approval to implement change on purchased items

RECORD RETENTION:

The supplier shall maintain quality records, as required, for a minimum of ten years or as indicated on the PO.

FOREIGN OBJECT DAMAGE (FOD):

The supplier must establish and maintain a system for the prevention of FOD, which shall as a minimum include the following: FOD Awareness Training and procedures as required.



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CYBER SECURITY:

The supplier must follow all terms of cyber security covered by the following as required:
DFARS 252.204-7008 "Compliance with Safeguarding Covered Defense Information Controls"
NIST (SP) 800-171 "Protecting Controlled Unclassified Information Systems and Organizations"

Q01 SUPPLIER REQUIREMENTS (EXCEPT CALIBRATION)

CERTIFICATIONS:

Each shipment shall include Raw Material/ Chemical/ Process (Painting/ Plating/ Soldering/ Bonding/ Welding/Brazing/etc.) certifications in conformance with the latest specification revision or as defined by drawing or purchase order. The name and title of the authorized representative shall appear on the certification and shall bear that persons signature and date.

DOCUMENT REVISION STATUS:

Unless otherwise specified on the purchase order or referenced documents, the Revision status of ALL applicable documents, drawings or specifications, in effect on the date of issue of the Purchase Order, apply to this order. A statement reflecting that all materials supplied against this order are manufactured to the latest revision of any referenced standard or drawing shall be included in the certification.

NOTIFICATION OF NON-CONFORMING MATERIAL:

Suppliers do not have MRB authority. The supplier shall provide prompt written notification to the appropriate site buyer when non-conforming products or processes are discovered that may affect product as follows:

Notification: Supplier shall notify Betatronix buyer of manufacturing issues within 24 hours of the finding in writing.

If non-conforming product is inadvertently shipped, Notification of a disclosure that supplier has shipped non-conforming product must include; P/N, traceability (lot, S/N, mfr#), ship dates, quantities and a description of the non-conformance.

Containment: Containment action must be in effect and documented prior to the next shipment of the part number involved. Material that departs from drawing/specification requirements shall be identified and controlled to prevent unauthorized use/ delivery to Betatronix.

OZONE DEPLETING SUBSTANCES REQUIREMENTS:

Suppliers shall comply with the labeling requirements for class I and II ozone depleting substances as required by section 611 of the clean air act, amendments of 1990 and the final rules (40 CFR Part 82) implementing the same (collectively the "Act"). Supplier shall accurately label, consistent with the requirement of the act, any products which it is supplying to Buyer that contain a controlled substance or are manufactured with a controlled substance. In the event Supplier discovers that it has failed to comply with the labeling requirements of the act, it shall immediately notify the Buyer of those products which failed to comply with the labeling requirement act.

Degreasing alternates: Cleaning, in accordance with C5102, may be used in lieu of methods in specifications requiring cleaning with chemicals that have been identified in the Environmental Protection Agency Clean Air Act, Ozone deplete list including, but not limited to 1,1,1 trichlorethane trichlorotrifluoroethane, MIL-C-81302, Freon, Genesolv D, MIL-T-81533, O-T-620, and methyl chloroform. The following may not be used: Mercury manometers, mercury vacuum pumps, or other instrumentation or equipment containing mercury or mercury compounds, lead or lead compounds, sulfur or sulfur compounds or materials containing lead or sulfur as a basic constituent. Drying may be accomplished by lint free wipes, still or forced clean dry, oil- free air, or inert gas (nitrogen), a drying oven or evacuation, forced air is to be used, it shall be passed through a trap to remove contaminates.

SPECIAL PROCESS SUPPLIER APPROVAL:

Unless specified on Purchase Order, supplier shall use only NADCAP approved plating suppliers. If a specific callout is made for use of our customers approved source, than that supersedes the NADCAP requirement.

FLOW DOWN REQUIREMENTS:

Section 818 of the FY2012 NATIONAL Defense Authorization Act defines the government's approach to prevent counterfeit materials from being incorporated into finished items. The supplier shall flow down through all sub-tier suppliers back to the original manufacturer of the material or component. The company issuing this purchase order shall authenticate that the material supplied is not counterfeit. In addition, when required by Betatronix purchase order, a Counterfeit Parts Plan shall be implemented in accordance with AS5553 and/or ASAS6174.

PURE TIN CONTAINMENT:

The supplier shall flow down to sub-tier suppliers the applicable requirements regarding Pure Tin Plating. Pure Tin Plating is defined as tin plating with greater than 97% tin or less than 3% lead by weight. Connectors and contacts, Mechanical Parts and Plating, electro-deposited or electro-less pure tin plating (greater than 97% tin or less than 3% lead by



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weight) as a finish coat is prohibited.

DRC Conflict Free Sourcing:

This purchase order requires full compliance with the Dodd-Frank Rule, Section 1502, Conflict Minerals. This clause requires that suppliers do not knowingly procure, at any level of their supply chain, gold, tantalum, tungsten or tin, from conflict areas of the Democratic Republic of the Congo (DRC) and that their products are "DRC Conflict-Free".

Q02 CALIBRATION SERVICES:

Contractors performing calibration services for Betatronix shall use equipment which has been calibrated and maintained in compliance with ANSI/NCSL Z540-1-(latest rev.) Calibration Systems Requirements using standards traceable to the National Institute of Standards and Technology (NIST). Calibration certifications for applicable equipment shall contain information as specified in ANSI/NCSL Z540-1-(latest rev.), part 1, para. 13.

Eyes examinations, intervals not to exceed one year, performed by a medically qualified / trained person to all individuals performing M&TE calibration that require visual acuity. Individuals to be tested in at least one eye, either corrected or uncorrected. Color perception testing is required one time only. Records to be retained for each individual.

Minimum Vision Requirements for visual inspection: Near vision of Snellen 14/18, (20/30), or Jaeger 2.

Q03 FIRST ARTICLE INSPECTIONS:

The supplier shall furnish FAI documentation representing each item of the applicable P.O. and all component part numbers. Documentation must include:

1. Inspection reports reflecting actual findings and traceability to manufacturing documents utilizing the AS9102 forms
2. Copies of material and special process certifications, and
3. Acceptance Test Reports.

Q04 RUBBER CURE DATE:

Submit with each shipment a certification or statement specifying cure date. Parts and/or packaging must be marked with cure date (e.g., "1Q92") per SAE/AS 1933, and referenced Military Specifications therein as applicable. A minimum of 75% of the applicable material/article shelf life shall remain upon receipt of the material by Betatronix

Q05 BETATRONIX SOURCE INSPECTION REQUIRED:

Notify Betatronix buyer "72 hours" in advance of required need date, or as required by purchase order. Parts and/or material covered by this P.O. are subject to inspection at the supplier facility by the Betatronix Quality representative after suppliers acceptance but prior to shipment. The supplier shall make available, at the time of presentation, all inspection records and inspection equipment necessary to inspect the item(s). Inspection by Betatronix Quality representative does not constitute Final acceptance of the parts and/or material.

Q06 GOVERNMENT SOURCE INSPECTION:

Government Inspection is required prior to shipment from your plant. Upon receipt of an order, promptly notify and furnish a copy to the Government representative normally servicing your plant so that government inspection can be appropriately planned. If a government representative does not service your plant, contact the nearest Air Force, or Navy inspection office. If you cannot locate the government office, the Betatronix purchasing agent should be notified immediately. Notice to the government shall be given 72 hours prior to shipment and Betatronix shall be advised immediately following the suppliers notification to the government.

Q07 SHELF LIFE:

Certifications for age sensitive materials, e.g., epoxies, paints, adhesives etc. must reflect the date of manufacture, shelf life and applicable lot or batch number. A minimum of 75% of the applicable material/article shelf life shall remain upon receipt of the material by Betatronix or the material is subject to rejection and return to the supplier

M22759 Wire and M27500 Cable shall have a date of manufacture less than three (3) years from date of shipment to Buyer.

EEE parts age – (Electronic, Electrical, and Electromechanical Parts) shall not be greater than 3 years old at the time of receipt at Buyer, unless otherwise identified in the purchase order or statement of work.



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Q08 CHARACTERISTIC ACCOUNTABILITY:

The supplier shall initiate and maintain a written plan that identifies methodologies for ensuring compliance to Betatronix requirements for products manufactured to an order that requires controlling and recording supplier or sub-contractor characteristic accountability. This requirement is intended to promote Manufacturing Process Control (MPC), as a method for proactive control of production operations through a "process based" control procedure in place of the traditional "inspection based" processes.

Q09 DFARS 252.225.7014 Preference for Domestic Specialty Metals/ Alternate 1 (Apr 2003):

This purchase order requires full compliance with the specialty metal requirements associated with DoD subcontracts. These mandatory requirements have their origin in federal law (10 USC 2533a) and are implemented by DFARS 252.225-7014, Alternate 1. Note that the Alternate 1 version of the DFARS clause requires that you flow-down this requirement to all subordinate contractors/suppliers delivering any component that contains specialty metals. Please note that this requirement has no minimum quantity or threshold exemption – any amount of non-conforming specialty metal – from any tier of our supply chain – is prohibited.

This clause states that all purchases of specialty metals must be from a US company or melted in a qualifying country (Australia, Belgium, Canada, Denmark, Egypt, Germany, France, Greece, Israel, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom of Great Britain, or Northern Ireland).