

General Quality System Requirements	
<p>Q01 (All requirements apply, unless otherwise specified by Omega Precision purchase order.)</p> <p>(continued on next page)</p>	<p>Acceptance at Destination: Articles ordered under this purchase order are subject to final acceptance at destination.</p>
	<p>Right of Entry / Access: Supplier shall afford Omega Precision, Omega Precision's customers, and regulatory authorities access to all facilities involved in this order, and to all applicable records.</p>
	<p>Sampling Inspection: When the Supplier uses sampling inspection as a means of product acceptance, the plan shall be statistically valid and appropriate for use. The plan shall preclude the acceptance of lots whose samples have known nonconformities. When required by purchase order, the plan shall be submitted for Omega Precision approval prior to use.</p>
	<p>Flow-Down To Sub-Tier Suppliers: the Supplier shall flow down to its sub-tier suppliers the applicable requirements of Omega Precision's purchasing documents, including key characteristics where required.</p>
	<p>Precedence: Omega Precision's purchase order shall be the governing document in the event of any conflict between the PO and the requirements of any statement of work or other specification. Any apparent contradiction, inconsistency, or ambiguity not clarified by the specific statement on the PO shall be resolved promptly with Omega Precision's Purchasing Agent. Order of precedence shall be as follows: 1. Purchase Order, 2. Statement of Work (if any), 3. Drawings and Specifications.</p>
	<p>Latest Revisions of Standards and Specifications: Unless otherwise specified by purchase order, the Supplier shall furnish and certify goods and/or services to the latest revision of applicable standards and specifications. This clause applies to government, commercial, and customer specifications as required by the Omega Precision purchase order. Suppliers shall contact the Omega Precision purchasing agent to verify latest revisions of customer specifications as required.</p>
	<p>ITAR: Requirements for Omega Precision are controlled by and subject to the International Traffic in Arms Regulations (ITAR). Therefore, the Supplier shall maintain an effective ITAR compliance program and immediately inform Omega Precision if:</p> <ul style="list-style-type: none"> • Any foreign national will have or has access to technical/intellectual data in support of this order or access to the actual item(s) that are included in this order. • The supplier or supplier's parent company is other than U.S. owned
	<p>External Document Control: The supplier shall maintain procedural controls to assure all drawings and data transferred (customer or Omega Precision) between supplier divisions and all levels of supplier sub-tiers are in compliance with ITAR. Upon completion of the order, the Supplier shall return to Omega Precision any "external documents," such as drawings and parts lists, that were furnished to the Supplier by Omega Precision in support of the order.</p>
	<p>Record Retention: Unless otherwise specified by purchase order, the Supplier shall keep on file all certifications, inspection and test records relative to material, processes, services and parts shown on this purchase order for a minimum period of fifteen (15) years after the completion of the order. These records shall be available for review upon request by Omega Precision and/or Omega Precision customers.</p>
	<p>Control of Non-Conforming Material: Upon discovery of non-conforming material that cannot be reworked or replaced to purchase order requirements by the supplier, the supplier shall immediately notify Omega Precision and control the non-conforming material to prevent unauthorized shipment to Omega Precision. The Supplier shall hold the material until Omega Precision renders a disposition. The disposition shall be referenced on the Supplier's shipping documentation with each applicable shipment.</p>
	<p>Traceability: Regardless of the source, the Supplier shall maintain material traceability from the receipt of raw material through finished product. Records of material must be identified by lot number, material type, specification (including revision), batch number, or heat number, as applicable, to provide a complete history traceable to records of acceptance.</p>
	<p>Certificate of Conformance / Test Reports: As required by Omega Precision's purchase order, the Supplier shall furnish with each shipment a certificate stating that the item(s) furnished meet all applicable purchase order, drawing, and specification requirements. The certificate shall include, as a minimum, the applicable Omega Precision purchase order number, part number or material specification number, revision, quantity, date and signature of an authorized Supplier Quality representative. As applicable, the Supplier shall further certify conformance as follows:</p> <ul style="list-style-type: none"> • Omega Precision-Furnished Raw Material: Omega Precision furnished raw material was used and no substitutions were made without written consent from Omega Precision. • Supplier-Furnished Raw Material: Material conforming to purchase order requirements was used. Furnish chemical and physical test reports with shipment. Reports are not required for inserts, fasteners, and labels except as required for Specialty Metals below. • Supplier-Furnished Specialty Metals: In the case where specialty metals, as defined in DFARS 252.225.7014(a)(2), are furnished as raw material, the supplier shall certify that the specialty metals meet DFARS 252.225.7014 Preference for Domestic Specialty Metals, Alt 1, as qualified by DFARS 225.872-1 General [Qualifying Countries], and the supplier shall furnish with the shipment the applicable chemical and physical test reports indicating the country where the specialty metals were melted. In the case where specialty metals are incorporated in manufactured items by the supplier (including inserts and fasteners), the supplier shall certify that the specialty metals of the furnished items meet DFARS, as cited above, and the supplier shall maintain on file the applicable chemical and physical test records indicating the country where the specialty metals were melted. The Supplier shall flow-down this requirement to sub-tier suppliers including right-of-access to records.

Q01 (continued)	Certificate of Conformance / Test Reports: (continued) <ul style="list-style-type: none"> • Special Processing: Processing was performed to purchase order requirements. Include on the certification processing specifications with revisions, test results and process parameters, as required. ("Special processing" includes, but is not limited to, heat-treating, welding, destructive and non-destructive testing, plating, and organic finishes, such as primer and paint.) • Shelf Life / DOM-DOE: Certify the date of manufacture (DOM) and the date of expiration (DOE) of the shelf life. Indicate, as applicable, the cure date and any special handling or storage requirements for the material (such as minimum or maximum storage temperatures). Also indicate the above information on the material containers.
	Minimum Quality System: The Supplier shall establish and maintain a quality system to prevent shipment of non-conforming product to Omega Precision. As a minimum, the quality system shall meet all applicable requirements of clause Q01 and include, as applicable, calibration of monitoring and measuring equipment.
	Changes in Product or Process: The Supplier shall notify Omega Precision of any changes in product and/or process definition and shall obtain Omega Precision approval prior to incorporation into production. The Supplier shall also notify Omega Precision if any of the following conditions occur: <ul style="list-style-type: none"> • The supplier relocates the approved processes to a new facility, • The supplier changes management personnel of the approved processes, or • The supplier changes its Quality System.
	Prevention of Mercury or Other Contamination: As applicable, the Supplier shall furnish with shipment a certification that product shipped under the purchase order was not exposed to mercury or mercury-bearing compounds except as specified on the drawing.
Specific Quality System Requirements	
Q02	ISO 9001: 2000 or Equivalent Quality Management Standard is imposed (AS9100 or AS9003)
Q03	(Deleted; clause expired in 2003)
Q04	ISO-10012-1/-2 Calibration System requirements are imposed.
Q05	(Deleted; incorporated into Clause Q01)
Q06	Reduced Dimension Drawings (RDD): Lockheed Martin specification 79E040001, Supplier Requirements for Use of Reduced Dimension Drawings, is imposed.
Q07	Model Based Definition (MBD): Boeing specification D6-51991, Quality Assurance Standard for Digital Product Definition at Boeing Suppliers, is imposed.
Counterfeit Work	
C01	<p>(a) Definitions For purposes of this clause, Work consists of those parts delivered under this Contract that are the lowest level of separately identifiable items (e.g., articles, components, goods, and assemblies). "Counterfeit Work" means Work that is or contains items misrepresented as having been designed and/or produced under an approved system or other acceptable method. The term also includes approved Work that has reached a design life limit or has been damaged beyond possible repair, but is altered and misrepresented as acceptable.</p> <p>(b) Prohibition of Counterfeit Work Seller shall not deliver Counterfeit Work to Buyer under this Contract.</p> <p>(c) Authorized Distributors Seller shall only purchase products to be delivered or incorporated as Work to Buyer directly from the Original Component Manufacturer (OCM)/Original Equipment Manufacturer (OEM), or through an OCM/OEM authorized distributor chain. Work shall not be acquired from independent distributors or brokers unless approved in advance in writing by Buyer.</p> <p>(d) Notification of Counterfeit Work Seller shall immediately notify Buyer with the pertinent facts if Seller becomes aware or suspects that it has furnished Counterfeit Work. When requested by Buyer, Seller shall provide OCM/OEM documentation that authenticates traceability of the affected items to the applicable OCM/OEM.</p> <p>(e) Application This clause applies in addition to any quality provision, specification, statement of work or other provision included in this Contract addressing the authenticity of Work. To the extent such provisions conflict with this clause, this clause prevails.</p> <p>(f) Replacement of Counterfeit Work In the event that Work delivered under this Contract constitutes or includes Counterfeit Work, Seller shall, at its expense, promptly replace such Counterfeit Work with genuine Work conforming to the requirements of this Contract. Notwithstanding any other provision in this Contract, Seller shall be liable for all costs relating to the removal and replacement of Counterfeit Work, including without limitation Buyer's costs of removing Counterfeit Work, of installing replacement Work and of any testing necessitated by the reinstallation of Work after Counterfeit Work has been exchanged. The remedies contained in this paragraph are in addition to any remedies Buyer may have at law, equity or under other provisions of this Contract.</p> <p>(g) Flow Down and Retention Seller shall include paragraphs (a) through (f) and this paragraph (g) of this clause or equivalent provisions in every lower tier subcontracts for the delivery of items that will be included in or furnished as Work to Buyer. The Seller shall maintain evidence of compliance with this clause for the duration of the applicable record retention period.</p>

Material Substitution Prohibition	
H900	<p>(a) Unauthorized Material Substitution (General) Unauthorized material substitutions are not permitted on Buyer's Goods. Unauthorized material substitution includes any deviation from the engineering definition of a raw material. Engineering definition includes Buyer design drawing and applicable specifications, product specification, form, size, shape, chemistry, melt method, origin, temper/condition, product testing or surface finish. Alternate materials specified in the engineering definition (and often described as approved material substitutions therein) do not constitute unauthorized material substitution. Terms and definitions for metallic materials and processing used herein are clarified in ARP1917. Contact Buyer's procurement representative for details regarding deviations to authorized materials. Seller agrees and understands that such deviations only apply to this purchase contract, and only as indicated in the Buyer's authorized document.</p> <p>(b) Metallic Materials (Specific) Temper or Condition Conversion - Unless specifically authorized by the engineering definition, conversion of a raw material (i.e. heat treat to change the temper or condition of the material) constitutes material substitution of the condition provided by the manufacturer. Metallic Raw Materials – Buyer's engineering drawings may refer to obsolete or superseded specifications covering several forms, thicknesses, widths, etc. of the alloy or alloys. The required characteristics of these materials are defined not only by the objective test standards of the specification, but by the processes/methods by which this final form is achieved. These requirements are often captured in the definitions of the required material forms, and may not be explicitly called out in the detailed requirements. The raw material certification results from both the process used to make it and the tests to verify basic properties. Seller shall ensure that metallic materials covered by current or obsolete/superseded specifications are produced using the standard industry practices designed strictly for the production of stock to the specified thickness, diameter, width or cross sectional area, achieved by thermo-mechanical processing or casting process. Chemical, electrochemical and mechanical methods used for the removal of surface scale or contamination, or the production of the required surface finish, in accordance with the material specification are acceptable. Raw material must not be re-certified with respect to thickness, diameter, width or cross sectional area or product form. Machining or cutting of thicker product or other product forms shall not be supplied in lieu of specified product unless specifically authorized by Buyer. Raw material certifications for material or parts shall reflect the form and size of the raw material as originally manufactured by the raw material producer.</p> <p>(c) Specification Supersession For government specifications and standards canceled after June 1994, Seller and subcontractors at all tiers shall use the last active revision of the canceled specification and standard until an acceptable replacement is included in the requirements of this Contract. Contact the Buyer's procurement representative in the event of any inconsistency in applicable specification or standard.</p> <p>(d) Reports (Full Pedigree from melt to final product) Raw material certifications shall show clear traceability to the manufacturer(s) of the raw material including ingot source, all thermo-mechanical processing (i.e. forging, rolling, drawing, etc), heat treatment, chemical processing and inspections as required by applicable raw material specification requirements.</p> <p>(e) Chain of Custody (Disguising intermediate ownership) Suppliers shall not disguise the pedigree of material or chain of ownership by removal of a previous supplier's name, nomenclature or identification.</p> <p>(f) Source of Additional Information Addition information and guidance may be found through Buyer's Supplier Portal or Buyer's procurement representative.</p> <p>(g) Flow Down and Retention Seller shall include all paragraphs of this clause or equivalent provisions in every lower tier subcontract for the delivery of items that will be included in or furnished as material to Buyer. The Seller shall maintain evidence of compliance with this clause for the duration of the applicable record retention period.</p> <p>(h) Objective Evidence of Flow Down Seller shall include with delivery of items a copy of all sub-tier purchase orders, at all levels, for the delivery of items that will be included in or furnished as material to Buyer to verify compliance with the flow down requirements of this clause.</p>
Deliverable Data Requirements	
D01	<p>AS9102 First Article Inspection: The Supplier shall perform a complete first article inspection of the items ordered and document the results on an AS9102 First Article Inspection report, which is to be furnished with the initial shipment of each individual part number. The Supplier shall also submit a new first article report when any of the following occurs:</p> <ul style="list-style-type: none"> • A change in design affecting fit, form, or function (in this case, the new first article report need only address the design changes); • A change in manufacturing location, tooling (including relocation), materials, or processes; • When required as part of a corrective action; • When a break in production of 12 months or more occurs.

<p>D02</p>	<p>Final Lot Inspection Report: The Supplier shall perform a final lot inspection of the items ordered and document the results on a suitable report, which is to be furnished with each shipment of each individual part number. The report shall include at a minimum, the part number and revision letter, the Omega Precision purchase order number, a listing of major characteristics inspected, including any "key" characteristics indicated on the purchase order or drawing (must agree with the scope of work indicated on the purchase order), and the actual results recorded as variable data. Where variable data is not available, as with the use of "go/no-go" gages, the report shall indicate the pass/fail results of the applicable characteristics. "Major characteristics" are those that define major surfaces, holes and other features on the part, and usually exclude minor features such as fillet or corner radii, chamfers, basic dimensions, etc. For guidance on which dimensions to include, the Supplier may contact Omega Precision's Quality Assurance department.</p>
<p>D03</p>	<p>Supplier Proprietary Products: The supplier shall furnish a copy of the applicable specification, drawing, and/or catalog pages with the initial shipment of product to support Omega Precision's receiving inspection. The Supplier's documents will be used only for inspection activity and will not be released to any party outside of Omega Precision without the Supplier's permission. The Supplier shall furnish new copies of these documents each time they are revised, sending these revised documents with the initial shipment on which they apply.</p>
<p>D04</p>	<p>Certified Calibration Report: The Supplier of calibration services shall furnish with shipment a certificate of calibration, including at a minimum: equipment type, Omega Precision serial number or asset number, calibration method or procedure, acceptance criteria, in-tolerance / out-of-tolerance status, calibration due date, calibration results for each equipment parameter [defined as variable data (actual measurements) or attribute data (pass/fail) as applicable], identity of reference standards used, and traceability to national or international standards (such as NIST). The certificate of calibration shall be signed and dated by an authorized Supplier representative.</p>