

The following Quality Clauses apply to the extent identified on the buyer's Purchase Order.

Q-1. Government Inspection

Government inspection is required prior to shipment from your plant. Upon receipt of this order, promptly furnish a copy to the Government Quality Representative who has been delegated quality assurance functions on this procurement so that appropriate planning for Government inspection may be accomplished. The Government representative shall also be notified forty-eight (48) hours in advance of the time articles or materials are ready for inspection or test.

Q-2. Reserved for Customer requirements

Q-3. Reserved for Customer requirements

Q-4. Reserved for Customer requirements

Q-5. Reserved for Customer requirements

Q-6. Reserved for Customer requirements

Q-7. Reserved for Customer requirements

Q-8. Reserved for Customer requirements

Q-9. Reserved for Customer requirements

Q-10. Seller Corrective Action

In response to Buyer-initiated corrective action requests, Seller shall advise Buyer of root cause determination, corrective action taken to prevent recurrence of reported problems and/or discrepancies, and effective dates of the planned corrective action(s). Seller shall maintain a corrective action system that determines the effectiveness of such corrective actions, and that prevents shipment of nonconforming articles without prior approval from Buyer.

Q-11. Certificate of Conformance

The Seller shall furnish a Certificate of Conformance with each delivery attesting that each item of hardware and/or software conforms to all requirements of the Buyer's specification and purchase order and that all required test and inspections have been performed.

Q-12. Certification of Material(s) and Process(es)

The Certificate of Conformance shall list raw material and/or process specification(s) used in the manufacturing of the item(s). The Seller shall retain original Material and/or Process certifications; upon request such certification(s) shall be made available to Buyer within 48 hours.

Q-13. Quality System ISO 9001 or AS-9100

The Seller's Quality System shall conform to the requirements of ISO 9001 or AS-9100. Third party registration by an accredited Registrar will be accepted as proof of compliance.

Q-14. Removed

Q-15. Quality System

The Seller shall have a Quality System acceptable to the Buyer. The Buyer reserves the right to verify said system.

Q-16. Calibration

The Seller's Calibration System shall conform to ANSI/NCSL Z540-1 or ISO 10012-1. Third party registration by an accredited registrar will be accepted as proof of compliance. The seller's signed certification of Calibration



must state traceability to National Standards, tool, gage or equipment number and Order number.

Q-17. First Article Inspection

The Seller shall perform a First Article Inspection (FAI) of one item from the first production lot, or as required by the Buyer. The FAI shall consist of recorded actual drawing, specification values, and/or requirements (dimensional, test data, processes, drawing notes, etc.) and may be documented on the drawing or on a separate report form. The first article item shall be clearly identified by a tag attached to the item or a label applied to the bag, and a copy of the FAI shall accompany the First Article part. The Buyer reserves the right to verify any or all of the characteristics documented on the FAI report at the seller's facility.

Q-18. Source Inspection

Source Inspection shall be conducted by the Buyer at the Seller's facilities or where designated in this Order prior to shipment. Inspection/test and/or in-process inspection/test of the articles specified in this Order shall be performed by the Seller and shall be witnessed by the Buyer's Quality Representative. Prior to fabrication start, the Seller and the Buyer shall determine the process steps at which Source Inspection shall be conducted. The Seller shall notify the Buyer of the scheduled inspection/test five (5) days in advance. The method of product release shall be a stamp or signature by the Buyer's Quality Representative on the Seller's shipping or inspection documents.

Q-19. Buyer Review

During the performance of this Order, the Buyer reserves the right to review; verify and/or analyze the Supplier's Quality and or Inspection System and Manufacturing processes at the Supplier's facilities. The Buyer's representative shall notify the Supplier forty-eight (48) hours in advance of the intended review start date and duration. Buyer's inspection/acceptance of product prior to shipment is not required unless otherwise specified in this Order.

Q-20. Age Sensitive Materials

The Seller shall submit with each shipment for materials subject to aging, shelf life information including manufacturer's lot or batch number and/or date code, and expiration date. A minimum of 90% shelf life must remain at time of receipt.

Q-21. Special Processes

The Seller and any of its subcontractors performing special processes, such as welding, non-destructive testing, heat treating, plating, soldering, etc. shall submit a certification listing the specification designation/number and that the special process was performed in accordance with such specification.

Q-22. Seller / Distributor

Should the Seller be a distributor supplying material not of its own manufacture, the manufacturer shall be as identified on the Buyer's Order when specified. The Seller shall list the manufacturer on the Certificate of Conformance or shipper with each shipment.

Q-23. Test Data

The Seller shall submit results of the product testing in a form of documented data containing actual and specification values/requirements.

Q-24. Traceability requirements

The Seller shall provide means of end item traceability. The Seller may use the original manufacture Lot/Date Code/Serial number or their own method for identifying the end item product as required for proper traceability. Multiple Lot/Dated coded material cannot be combined on a single shipper and must be packaged separately. Each Lot/Date coded batch must have a corresponding shipper. Serialized shipments must have the serial numbers listed on the shipper and on the corresponding intermediate packaging. Duplication of Lot/Date Code/Serial numbers is prohibited.

Tape and reel products only may contain a maximum of two Lot/Date Codes per reel and shall be listed on the

corresponding shipper and on the immediate packaging.

Q-25. Electrostatic Sensitive Devices

Devices delivered under this Order are Electrostatic Sensitive. The Seller shall assure that these devices are packaged and identified to provide adequate electrostatic protection.

Q-26. Packaging & Shipping

The Seller shall clean, preserve and use special packaging as required on this order, or when not specified, seller may use specially designed shipping containers and/or good commercial practices as deemed necessary to prevent shipping damage. Parts are to be individually bagged and labeled. As a minimum, the label shall contain the following information: Part number and revision date of manufacture and Buyer's Order Number.

Q-27. Explosives

Seller shall tag each deliverable unit prior to packaging for shipment to indicate "EXPLOSIVE" DOT classification, type and net weight. Additionally all intermediate and outer containers shall indicate the DOT shipping name, hazardous classification and storage compatibility group. The word "EXPLOSIVE" shall be clearly stenciled and visible on all sides of the package. Seller shall submit Bureau of Explosive documentation as to material classification, material description, explosive classification, and shipping information. Shipping information necessary to properly package, mark and label, in accordance with Department of Transportation Hazardous Materials Regulations shall be included. Orders are subject to Buyer inspection at destination and will not be accepted by Buyer if Seller fails to comply with the requirements specified above

Q-28. Nonconforming Material

For hardware built to a Vision Technologies (Buyer) engineering drawing the Seller may submit a waiver request to the Buyer for acceptance of nonconforming hardware. The request shall address root cause and corrective action to prevent recurrence of the non-conformance and may recommend a disposition. Seller shall not ship parts until Buyer provides written authorization. A copy of Buyer's authorization nonconformance report (NCR) form shall accompany the part(s). The affected parts shall be clearly identified with a label with the NCR number.

Q-29. Service Bulletins

Seller shall notify and provide Buyer with copies of all Service Bulletins affecting the hardware delivered on this Purchase Order.

Q-30. Welding Process Requirements

Seller shall meet or exceed the requirements set forth in ANSI/AWS D17.1:2001, Specification for Fusion Welding for Aerospace Applications. (Any references to MPS No. 7116 noted on Buyer's drawing are for Buyer's internal use only).

A, B, and C class designations noted on the Buyer's drawing shall equate to the class designations noted in ANSI/AWS D17.1:2001 except for radiographic inspection. Class A designations on Buyer's drawing shall require penetrant inspection in lieu of radiographic inspection unless inspection technique is already called out on drawing. All other requirements for class A welds per ANSI/AWS D17.1:2001 still apply. Weld requirements without class designations shall be processed as Class C.

Seller and its subcontractor(s) shall permit the Buyer's Quality Representative(s) to perform a survey to verify compliance with welding requirements. If Seller subcontracts welding services, the weld requirements specified in Buyer's drawing and purchase order (including this Quality Clause Q-30) shall be flowed down to its subcontractors and Seller shall ensure compliance with the weld requirements by its subcontractor.

Seller shall specify on its Certification of Conformance, or on a separate welding certification, the applicable weld specification(s) and class of weld(s).

Q-31. Quality Clauses Are Not Required

There is no quality clause required for this part.

Q-32. Specialized Tooling

Specialized Vision Technologies tooling is required to perform this order. Contact Vision Technologies Buyer.

Q-33. Certification of Material(s) and Process(es)

The Seller shall submit certifications for raw material (chemical and physical characteristics) and/or processes (stating specification) used in the manufacturing of the item(s). If outside processing is performed; a certification from subcontractor is to be provided.

Certification of Titanium Material

The Seller shall include with each shipment of end item product manufactured from Titanium material, an independent laboratory certified test report that states that the lot of material furnished has been tested, inspected, and found to be in compliance with the applicable material specifications. The test report will list the specifications, including revision numbers or letters, to which the material has been tested and/or inspected and the material lot to which it applies. The test report shall include quantitative limits for chemical, mechanical, or physical properties, and contain the actual test and/or inspection values obtained.

Q-34. No Changes Without Approval

Except for first time purchases, items furnished under this Purchase Order shall be identical in form, fit and function to a product previously approved by Vision Technologies.

The seller shall notify the responsible Vision Technologies of any proposed changes including changes in design, materials, parts, fabrication methods or processes, major plant rearrangement, or plant relocation and changes that will impact form, fit and/or function. Prior to fulfilling a Vision Technologies purchase order, Vision Technologies must approve any/all changes with notification provided to the seller by the responsible Procurement Agent.

Q-35. Supplier Part Identification

The Seller shall mark parts with their cage code (preferable) or assigned (five number) vendor code near part number and revision status in accordance with the identification application requirements on the engineering drawing.

Q-36. Rework Report

In the event the item is returned with a reported functional failure, the Seller shall test, evaluate and rework as required. The Seller shall provide a complete detailed rework report including test results, evaluation findings and description of all work performed.

In the event that the item is found to be fully functional and the failure/discrepancy could not be duplicated, the Seller shall state the CND (Can Not Duplicate) condition on the test and evaluation report.

Q-37. First Article Inspection / Plan - Critical Parts

The Seller shall submit an Inspection Plan Report to the Buyer within 14 days of purchase order award. The Inspection Plan Report shall list the intended methods used to verify compliance to the specific drawing dimensions, values and/or requirements.

The Seller shall perform a First Article Inspection (FAI) of one item to be submitted to Vision Technologies from the first production lot, or as required by the Buyer. The FAI shall consist of recorded actual drawing, specification values and/or requirements (dimensional, test data, processes, drawing notes, etc.) and shall be documented on a separate report form. The first article item shall be clearly identified by a tag attached to the item or a label applied to the bag. A copy of the FAI and any applicable certifications shall accompany the First Article part. The Buyer reserves the right to verify any or all of the characteristics documented on the FAI report at the Seller's facility. The First Article requirements and Inspection Plan as set forth apply only to the first



production lot and to any new revisions. Once the first article is accepted by Vision Technologies, the Supplier shall not deviate from the process without authorization of the Buyer.

Q-38. Prohibition of Pure Tin

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 Vision Technologies. 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.

Q-39. Foreign Object Elimination

The material supplied on this purchase order shall be manufactured in an environment that is free of foreign objects. Material supplied shall be free of foreign objects. The seller's program shall utilize effective FOD prevention practices. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as, to the FOD generating potential of the manufacturing methods.

The seller's program shall include FOD preventive practices in packaging. There shall be no foreign objects received in packaging and packaging containers. Foreign objects can include staples used for closure of unit packaging, foam peanuts used for cushioning and Styrofoam (can break down and particles cling to parts) used for cushioning. In general, no packaging material shall be used that will leave any residue from the packaging material on the parts as a result of packaging or unpacking the product.

Q-40. Test Data (Retention)

The Seller shall retain results of the product testing in a form of documented data containing actual and specification values/requirements and provide to the Buyer upon request within 72 hours.

Q-41. Counterfeit Electronic Parts, Detection and Avoidance

The National Defense Authorization Act, Section 818, Detection and Avoidance of Counterfeit Electronic Parts, requires the Seller to implement processes to detect and avoid the sale or use of counterfeit electronic parts or suspect counterfeit electronic parts in all products supplied to the Buyer.

The Seller and its Subcontractors shall obtain electronic parts that are in production or currently available in stock from the original manufacturers of the parts or their authorized dealers, or from trusted suppliers who obtain such parts exclusively from the original manufacturers of the parts or their authorized dealers. Obtain electronic parts that are not in production or currently available in stock only from trusted suppliers who must also have appropriate policies and procedures in place to detect and avoid counterfeit electronic parts and suspect counterfeit electronic parts. Flow down the counterfeit avoidance and detection requirements to all subcontractor suppliers.