

| Clause Number | Title | Clause text |
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| Q001 | CA Govt. contracts when GQA is required at source in Canada | Government Quality Assurance is a requirement of this procurement. Seller shall promptly make arrangements with the Government representative who normally services his facility so that GQA can be accomplished. |
| Q002 | CA Govt. contracts when GQA is required at source in Europe | Government Quality Assurance is a requirement of this procurement. Seller will be notified by the Technical Services Section; Canadian Defense Liaison Staff, at 1 Grosvenor Square, London, England, W1X OAB, concerning the Government agency with whom Seller shall make arrangements for the accomplishment of Government Quality Assurance. |
| Q003 | US Govt. contracts when GQA is required at source in the USA | Government inspection is required prior to shipment of item(s) from your facility. Seller shall upon receipt of this procurement, promptly notify the Government Representative who normally services your facility so that appropriate planning for Government inspection can be accomplished. Seller upon receipt of this procurement, shall promptly furnish a copy of the procurement contract to the Government Representative who normally services your facility, or if none, to the nearest Army, Navy, Air Force or Defense Supply Agency Inspection office. In the event the Representative or office cannot be located, Buyer procurement agent should be notified immediately. |
| Q004 | When procuring metallic raw material | Seller shall provide with each shipment of (metallic) material, authenticated quantitative test reports, showing the degree of compliance with applicable specification regarding physical property test results, together with certification of chemical composition. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q005 | When procuring non-metallic raw material | Seller shall provide with each shipment of (non-metallic) material, authenticated quantitative test reports, showing the degree of compliance with applicable specifications. The Seller shall retain all documents supplied to the Buyer for a period of 10 years |
| Q006 | When procuring all articles and materials, as applicable | Seller shall provide a "Certificate of Compliance" with each shipment of parts under this procurement, signed by a legally authorized representative of the Seller's organization, stating the following: - Part number and quantity; - Buyer's Purchase Order or Subcontract number; - Part Revision for revisionable part(s); - Materials supplied on this procurement meet applicable drawings and specifications. Documentation is on file to support this, and is subject to Buyer examination upon request. The Seller shall retain all documents supplied to the Buyer for a period of 10 years |
| Q008 | When radiographic services are required | Seller shall supply radiographic films with each shipment of items on this procurement from a laboratory certified in accordance with ASTM E1742. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q009 | When procuring services for radiographic inspection | NOTE: Radiographic techniques must be submitted to Buyer for approval. Seller shall supply two copies of its laboratory certification for radiographic techniques to Buyer. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q010 | When MDA QA source release of an item is required | This procurement will require Buyer's Quality Assurance to accept and release the shipment. Buyer's Quality Assurance has the right of access to verify the quality of all materials non-proprietary processes and services included in this procurement at the Seller's facility. Seller shall notify Buyer at least seventy-two (72) hours in advance of the time that part(s) will be ready for source verification or acceptance. |
| Q012 | When MDA QA source inspection as a MIP is required | Buyer Quality Assurance shall verify/witness inspection or operation points in the suppliers manufacturing process. Buyer's Quality Assurance has the right of access to verify the quality of all materials non-proprietary processes and services included in this procurement at the Seller's facility. Seller shall notify Buyer at least seventy-two (72) hours in advance of the time that part(s) will be ready for MIP verification. |
| Q014 | On Shelf Life Limited Items | Seller shall clearly identify those items that have a specific shelf life and any necessary storage conditions. The date of the manufacture and date of expiry must be visibly marked on the item, or included in accompanying document. Not more than ten percent (10%) of the shelf life shall have elapsed at the time of receipt by Buyer. Alternatively, the Seller shall provide a shelf life (or warranty period) from the date of shipment. In this case, the shelf life (or warranty period) shall be visibly marked on the item, or included in accompany documentation. The Seller shall provide Safety/Hazard Data Sheets with the first shipment of material requiring any special handling. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q015 | On all NASA and Mil spec parts and materials only | This procurement is for Qualified Products. Seller must provide documentation, which identifies the Qualified Source from which parts originated (i.e., Manufacturer's name and or Cage Code number). The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q016 | On all Govt. contracts when GQA is not required at source | NOTE: Manufacturer's Name must appear on documentation and/or parts as applicable. The Government reserves the right to inspect any or all materials included in this procurement at the Seller's facilities. |
| Q017 | NASA contract procurements when GQA is required at source | All work on this order is subject to inspection and test by the Government at any time and place. The Government Quality Representative who has been delegated NASA Quality Assurance functions on this procurement shall be notified immediately upon receipt of this order. The Government Representative shall also be notified forty-eight (48 hrs) in advance of the time articles or materials are ready for inspection or test, and supplier shall make available any documentation to perform inspection or test. |
| Q019 | When MDA Verification/ Inspection is required | All parts and materials supplied under this procurement <u>will be verified /inspected</u> by the Buyer's Quality Department upon receipt, before final acceptance. |

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| Q021 | If test equipment is to be calibrated/re-calibrated/repared | The Seller's calibration system used in the performance of verifying the compliance of all test equipment under this purchase order shall meet the requirements of ISO 10012 / ISO 17025. A Calibration Certificate shall be supplied under this procurement which indicates readings taken before and after calibration, along with extent of adjustments made. If on receipt the readings are outside of the instrument's measurement tolerance, Buyer shall be notified immediately. <u>If repair is required such that readings cannot be taken before calibration, then the certificate shall so state this and the Test Equipment shall be identified with a colour tag.</u> The Calibration Certificate must be signed by the facilities authorized inspector stating that the standards used to obtain readings are traceable to the Canadian Standards Association (CSA), The National Institute of Standards and Technology (NIST) or recognized international standards. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q022 | Use for procurement of articles and materials | Seller must ensure that packaging of items on the Buyer's procurement is sufficient to prevent any <u>corrosive damage or any physical damage caused by shipping/handling.</u> |
| Q023 | When new test equipment is to be purchased | The Seller's calibration system used in the performance of verifying the compliance of all test equipment under this purchase order shall meet the requirements of ISO 10012 / ISO 17025. A Calibration Certificate signed by the Seller's authorized inspector shall be supplied with the equipment under this procurement. The certificate shall include all points of calibration and must state that the standards used to obtain readings are traceable to either the Canadian Standards Association (CSA), the National Institute of Standards and Technology (NIST) or recognized international standards. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q025 | QA is req. to perform source surveillance visits to supplier | Buyer's Quality Assurance will perform source surveillance at Seller's facilities during the manufacture and/or test of items to be furnished on this procurement. Buyer's Quality Assurance has the right of access to verify the quality of all materials non-proprietary processes and services included in this procurement at the Seller's facility. Surveillance will be scheduled <u>by Buyer and coordinated with Seller.</u> |
| Q026 | Use on procurements to MDA drawings and specifications | Seller shall not make any changes in product design, material, processing (including cleanliness requirements) or in fabrication method without prior approval in writing by the Buyer. The Seller shall also not make any change in purchased parts (i.e. off the shelf items) utilized in the fabrication of items on this procurement without prior <u>written approval by the Buyer.</u> |
| Q028 | When procuring standard mechanical fasteners only | Seller shall provide with each lot or batch of parts under this procurement authenticated original test reports, showing the degree of compliance with applicable physical, chemical, metallurgical and mechanical requirements. The reports shall accompany the parts, and shall not be shipped separately. Associated certification data shall be traceable to the original manufacturer by lot or batch number. The original manufacturers name and lot or batch number must be identified on the packaged parts and all documents provided with the parts. The Seller shall retain all documents supplied to the Buyer for a <u>period of 10 years.</u> |
| Q029 | When a Supplier is required to have Design & Development QMS | Seller shall provide and maintain a Quality Assurance Program, which is in conformance with Military Specification MIL-Q-9858, AS 9100 or ISO 9001:2000. |
| Q030 | When a Supplier is required to have Inspection QMS | Seller shall provide and maintain a Quality Control Inspection System that is in conformance with Quality Inspection System Standard MIL-I-45208A, AQAP-4. |
| Q031 | When a Supplier is required to have a Metrology Control sys. | Seller shall provide and maintain a Calibration Control System that is in conformance with Military Specification ISO 10012 / ISO 17025. |
| Q040 | When procuring End Items for the SSRMS, MBS, SPDM Programs | Seller shall provide and maintain a Product Assurance Program that is in conformance with the Buyer's document SPAR-SSSG-1008 or SPAR-SS-SG-3015. |
| Q042 | Full traceability of an item to source of origin is required | Seller must ensure that all items on this procurement are traceable to <u>source of origin</u> by lot/batch number or date code. Source of origin traceability must be reflected on release documentation or on the <u>item package label to Buyer.</u> |
| Q043 | When procuring items for use on Manned Space Flight projects | For use in Manned Space Flight, materials, manufacturing and workmanship of the highest quality <u>standards are essential in order to ensure Astronauts safety.</u> |
| Q044 | When procuring items for use on Manned Space Flight projects | If the Seller is able to supply the desired items with a quality that is higher than that of the items specified or proposed, the Seller is requested to bring this fact to the immediate attention of the Buyer. Seller is required to insert this requirement in all <u>subcontracts to the lowest tier.</u> |
| Q045 | When procuring items for use on MSF/TVC projects | Seller shall not use Pure Tin Plating, Zinc or Cadmium processes on part(s) or assemblies supplied on this procurement. Only parts containing alloys with less than 97% tin are acceptable, and all cadmium alloys or zinc alloys (e.g. brass) must be completely over plated with an approved metal. |
| Q051 | When procuring EEE parts that are ESD | The devices to be furnished under this procurement are considered by the Buyer to be susceptible to damage from electrostatic discharge. The Seller shall take the necessary precautions whilst handling and packaging the deliverable product to prevent damage. The device leads shall be electrically shorted together by non-corrosive conductive foam or other suitable methods. The deliverable devices shall be encased in electrically conductive/static dissipative packages, tubes, carriers or conductive bags for shipment. The packaging must be labeled to indicate that it contains electrostatic sensitive parts. |
| Q052 | When procuring EEE parts that are subject to screening test | Seller shall provide a "Certificate of Compliance" with each shipment of parts under this procurement, signed by a legally authorized representative of the Seller's organization, which specifically states that each microcircuit has passed testing per MIL-PRF-38535, for Class B/Q or S/V. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. NOTE: Complete screening test data for each microcircuit is acceptable in lieu of the Certification of Compliance. |
| Q060 | When First Article Inspection is required | Seller shall perform "First Article Inspection" on a randomly selected piece of each part number produced. The actual measurements of each characteristic generated shall be recorded. All drawing notes shall be verified. Seller shall identify the method of inspection/verification used and forward a completed copy of the "First Article Inspection" Report, with the initial shipment of each part number to Buyer. The Seller shall retain all documents <u>supplied to the Buyer for a period of 10 years.</u> |

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| Q062 | Procuring serialized items to MDA drawing and specification | The Items supplied on this purchase order shall be delivered marked with the suppliers Serial Number, unless an MDA serial number has been provided in the Purchase Order notes. The supplier's serial number shall be unique to the Item Number. A suggested format is: (the first three letter of the supplier name) – (job number) – (sequential unique number). The serial number(s) of items supplied on this procurement shall be referenced on Seller's release documentation, i.e.(C of C, test reports, packing slip, etc.). |
| Q063 | When certified inspection data (data pack) is required | Seller shall provide "Certified Inspection Data" that include dimensional inspection results, and/or test results, process certifications, material certifications etc. for verification to drawings and specifications by Buyer QA. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q066 | When procuring a lot batch of manufactured parts | Seller shall develop a "Lot by Lot" Inspection Plan for each part number to be fabricated on this procurement and submit Plan to Buyer for approval prior to use. Seller shall use this plan to verify characteristics of the finished part to Buyer drawings and specifications. A completed "Lot by Lot" inspection report must accompany each lot of parts shipped to Buyer. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q067 | MDA items are sent to a Supplier for service/work activity | Seller must ensure that all In-Process handling procedures are sufficient to ensure protection of the item(s) from handling damage during manufacturing, assembly and test. |
| Q068 | When procuring custom software to MDA requirements | Seller shall provide a "Certificate of Compliance" with each shipment of software under this procurement, signed by a legally authorized representative of the Seller's organization and stating the following: i) CSCI number; ii) Brief description of CSCI; iii) Buyer's purchase order or subcontract number; iv) Software provided on this procurement meets applicable requirements The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q070 | Procuring the services for product testing and data is req. | Seller shall provide to Buyer Test/Inspection Data as follows: (i.e. Screening, DPA/PIND, etc.) a) Inspection measurements and/or electrical test data reflecting the requirements of the applicable drawings and specifications shall be recorded and included with the shipment. b) When applicable, Group test data and/or screening data in accordance with the applicable specifications must be furnished for each shipment of parts against the purchase order. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q071 | When procuring electronic assemblies and equipment | Seller shall have an electrostatic discharge control program for any activity that designs, tests, inspects, services, manufactures, processes, assembles, installs, packages, labels or otherwise handles electrical or electronics parts susceptible to damage caused by static electricity in accordance with MIL-STD-1686, ANSI/ESD S20.20 and Handbook MIL-HDBK-263A. |
| Q072 | Internal Use - Used to identify Customer furnished equipment | Article procured under this control shall be subject to identification with a Program Specific Sticker or an MDA tag and CP sticker by Material Support Operator (Receiving) upon receipt at MDA. Photographs shall be taken of Items as received upon receipt and attached to receiving documentation. |
| Q075 | When procuring Hardware with End Item Data Package (EIDP) | Seller shall provide to the Buyer the documents (i.e. Inspection/Test Reports, Operating Time Cycle Record, Drawings, Deviations/Waivers, Non-conformance Reports, etc.) as per contract (SOW) to be deliverable with hardware. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q076 | Mandatory for the procurement of all Flight Hardware | Seller shall ensure that the hardware is double bagged. Desiccant and Humidity indicator shall be placed in the outer bag. The inner bag shall be zip locked. The outer bag shall be sealed. |
| Q077 | For use when procuring Hardware which requires testing | Mechanical parts supplied under this procurement are subject to testing by Buyer's Product Assurance Engineer |
| Q078 | Critical Characteristic Inspection | The Seller shall perform 100% inspection of critical/key characteristics identified on applicable engineering documents. The Seller shall record actual measurements and supply a Critical Characteristic Inspection Report to the Buyer with the shipment of hardware. The report shall be legible and shall be validated by an authorized Seller's representative, by either an inspection stamp or signature and title. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q081 | Ensure all pieces of an item are from the same lot/data code | Seller must ensure all pieces for each item shall be from the same inspection lot and be of the same data code of manufacture. Partial shipments will not be accepted. |
| Q082 | To ensure data code of manufacture is not too old | Seller must ensure the date of manufacture (lot) codes of all components covered by this purchase order shall not be older than 36 months at the time of delivery without permission from the Buyer. |
| Q084 | Identify/provide traceability of the parts in documentation | Documentation shall include the identification of the parts by: a) Manufacturer part number; b) Buyer's drawing number, dash number, and revision level; c) Mil-spec part number for Mil-spec part; d) Purchase order number; e) Quantity; f) Date code or inspection lot number (or batch number); g) Manufacturer's name; h) A certificate of conformance signed by the head of quality control (or other cognizant authorized company official) above; i) Shelf life (if applicable); j) Serial number (if applicable). The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q085 | When Supplier Manufacture Planning Review is required | Seller shall provide a Manufacturing Flowchart/Plan to the Buyer prior to the commencement of manufacturing activities, so that the Buyer may assign QA "Mandatory Inspection Point" to the Manufacturing process flow. |
| Q087 | Hardware is nonconforming to MDA drawing/requirements | Seller shall inform Buyer when a non-conformance has occurred during manufacturing/ test processes. A copy of non-conformance report outlining the discrepancy and the cause shall be submitted to the buyer, within 24 hours of the occurrence, for disposition and corrective action. |
| Q088 | US Government Property Items sent for calibration/repair | In accordance with Federal Acquisition Regulation Clause 52.245-1 subparagraph (vi)(A), "Loss, damage, destruction or theft", the vendor shall investigate and furnish a written narrative of all incidents of loss, damage, destruction or theft to buyer as soon as the facts become known or when requested by the Buyer. Such reports shall, at a minimum, contain the following information: 1) Date of the incident ; 2) The name, commercial description, manufacturer, model number, and national Stock Number(if applicable); 3) Quantity; 4) Unique Item Identifier (if available); 5) Purchase Order number; 6) Cause and Corrective action taken to prevent recurrence; 7) Copies of all supporting documentation; 8) Last known location |

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| Q089 | Electrical product(s) that will be connected to power source | Seller shall ensure that in accordance with the Electricity Act, 1998/Ontario Regulation 438/07, the Electrical Product(s) or Device(s) that will be connected to a source of power and is supplied under this purchase order has been deemed approved by a "Certification Body" or a "Field Evaluation Agency" accredited in accordance with the Standards Council of Canada Act to evaluate Electrical Products/Devices and recognized by the authority, as defined under the Ontario Regulation 438/07. If the Electrical Equipment consists of or incorporates a component or components that are deemed to be approved under Ontario Regulation 438/07, the Electrical Equipment is not deemed to be approved unless the whole Electrical Equipment as assembled, is deemed to be approved according to the process set out in Ontario Regulation 438/07. Seller shall ensure that all supplied Electrical Equipment/Products/Devices bear an approval label, approved for use in either Ontario or Canada, affixed to the product or device which identifies the Electrical product or device as certified for use in Canada. |
| Q090 | For use when procuring machined parts | Seller shall not perform Electrical Discharge Machining (EDM) on fracture critical parts. The drawing for any given part will indicate if the part is fracture critical or not. EDM is permitted on non-fracture critical parts, but the specific EDM process must be qualified with a sample test piece before any production parts are machined. When the Seller intends to use EDM, MDA will provide the detailed requirements for the EDM sample test piece. |
| Q091 | When MDA verification by EEE or Mechanical Parts Engineering | All test data delivered under this procurement shall be verified and approved by the Buyer's EEE or Mechanical parts Engineer upon receipt, prior to final acceptance. |
| Q092 | For use inspection data is to be sent prior to shipment | Seller shall provide "Certified Inspection Data" that include dimensional inspection results, and/or test results, process certifications, material certifications etc., PRIOR to each shipment of parts, for verification to drawings and specifications by Buyer QA. The report shall be legible and shall be validated by an authorized Seller's representative, by either an inspection stamp or signature and title. The Buyer QA will review that data and authorized shipment of the parts. Final acceptance of all parts and materials will be upon receipt verification by the Buyer. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q093 | When 100% inspection is required on all PO deliverables | Seller shall provide Certified Inspection Data that include material certification, test results, process certifications and dimensional inspection results with each shipped part. 100% inspection of all features on the annotated drawing and drawing notes on all parts is mandatory unless a sampling inspection is specified on the purchase order. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q094 | US Government Property | (1) The article(s) provided to the Seller under this purchase order are U.S. Government Property (e.g. any material and/or equipment). Seller shall have a system of internal controls to manage (control, use, preserve, protect, repair and maintain) U.S. Government property in its possession. The system shall be adequate to satisfy the requirements of Federal Acquisition Regulations (FAR) Clause 52.245-1, Government Property. In doing so, Seller shall initiate and maintain the processes, systems, procedures, records, and methodologies necessary for effective and efficient control of U.S. Government property. (2) Seller's responsibility extends from the initial acquisition and receipt of property under this PO, through stewardship, custody, and use until formally relieved of responsibility by authorized means, including delivery, consumption, expending, sale (as surplus property), or other disposition, or via a completed investigation, evaluation, and final determination for lost property. This requirement applies to all U.S. Government property under Seller's accountability, stewardship, possession or control, including its sub-tier vendors. |
| Q095 | Prohibited Suppliers | Seller shall provide the Buyer with the name of the raw material supplier prior to commencing work. The Buyer must approve all suppliers of titanium (any form) and aluminum (extrusions only) prior to use on MDA purchase orders. |
| Q096 | Record Retention | The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q097 | Confidentiality for use when PO not issued (i.e. qt package) | Seller agrees to hold confidential any and all information which it receives from Buyer or through its association with Buyer under this PO/quote, and shall not divulge or use such information for its own benefit or for any other person or company unless the prior written permission of Buyer is obtained. Seller acknowledges that any invention or process developed by using MDA's information, will be the property of MDA. This covenant shall survive termination of the PO. Seller also agrees to execute such further documentation as MDA may reasonably require from time to time to evidence the above undertakings. |
| Q098 | Internal Use-Used to identify procured parts/materials as Ca | Items received under this Purchase Order are to be identified as Inventory and marked as Canadian Government Property and received into project Flight or Non-Flight stores as applicable. |
| Q099 | For use when Canadian Government Property requirements are i | (1) The article(s) provided to the Seller under this purchase order are Canadian Government Property (e.g. any material and/or equipment). Seller shall have a system of internal controls to manage (control, use, preserve, protect, repair and maintain) Canadian Government Property in its possession. Seller shall initiate and maintain the processes, systems, procedures, records, and methodologies necessary for effective and efficient control of Canadian Government Property. (2) Seller's responsibility extends from the initial acquisition and receipt of property under this PO, through stewardship, custody, and use until formally relieved of responsibility by authorized means, including delivery, consumption, expending, sale (as surplus property), or other disposition, or via a completed investigation, evaluation, and final determination for lost property. This requirement applies to all Canadian Government Property under Seller's accountability, stewardship, possession or control, including its sub-tier vendors. |
| Q100 | For use when procuring fasteners for space when 3rd party pu | Seller shall provide with each lot or batch of parts under this procurement authenticated original pull test reports. Associated certification data shall be traceable to the original manufacturer by lot or batch number. The original manufacturer's name and lot or batch number must be identified on the packaged parts and all documents provided with the parts. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| Q101 | For use when procuring parts for safety and mission critical | The Seller shall plan, implement and control processes, appropriate to the organization and the product, for the prevention of counterfeit or suspect counterfeit part use and their inclusion in products delivered to the Buyer. The methodology of SAE AS5553 (electronics parts) and/or SAE AS6174 (mechanical parts) may be used as an implementation guide. |

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| Q102 | For use on aerospace programs | The Seller shall not engage in any form of corruption, bribery, anti-competitive agreements or other unfair business practices. Appropriate action shall be taken for any instances of infraction of employees' compliance with these principles. |
| Q103 | For use on aerospace programs | The Seller shall plan, implement, and control the processes needed to assure product safety during the entire product life cycle including, but not limited to, the product during manufacturing, testing, storage, handling and transportation. The safety of the personnel, test equipment, fixture, and environment shall also be considered. |
| Q104 | For use on nuclear programs where Z299 or N299 are flowdown | Seller shall provide and maintain a Quality Assurance Program, which is in conformance with CSA CAN3-Z299.3 or CSA N299.3. |
| Q105 | For use when planned open work is to be received | It is agreed per this PO amendment and as stated in the (whatever Purchasing calls the PO line item) that the Seller is providing item(s) to Buyer with planned open work. Buyer will receive the item(s) with a yellow tag into Open Work stores location. |
| Q106 | For when no defects are acceptable from supplier | Only articles that are fully conforming to the requirements are acceptable for delivery to the Buyer. The Seller shall rework or replace any non-conforming articles prior to delivery to the Buyer. |
| QBI-001 | Receiving Inspection | All items supplied by Seller under this procurement will be inspected by the Buyer's Quality Department upon receipt, before final acceptance. |
| QBI-002 | Manufacturing Inspection Point, MIP | 02: Manufacturing Inspection Point, MIP Buyer Quality Assurance shall verify/witness inspection or operation points in the supplier's manufacturing process as determined my Purchase/Subcontract Order. Buyer's Quality Assurance has the right of access to verify the quality of all materials non-proprietary processes and services included in this procurement at the Seller's facility. Seller shall notify Buyer at least seventy-two (72) hours in advance of the time that part(s) will be ready for MIP verification. |
| QBI-003 | Source Inspection | Buyer's Quality Assurance acceptance is required to release the shipment of item under this Purchase/Subcontract Order. Buyer's Quality Assurance has the right of access to verify the quality of all materials non-proprietary processes and services included in this procurement at the Seller's facility. Seller shall notify Buyer at least seventy-two (72) hours in advance of the time that part(s) will be ready for source verification or acceptance. Buyer Source Inspection shall include, but is not limited to the following: Witnessing Seller's performance of acceptance/qualification testing and inspections to Buyer's specification/drawing requirements; Review of Seller acceptance test/inspection data and reports to verify conformance with Buyer's specification/drawing requirements; Verification of item traceability and Seller's certification to ensure conformance with Buyer's procurement document or specification/drawing requirements; Verification of Seller's packaging and packing of items being procured to ensure |
| QBI-004 | Submission of documentation prior to shipping | Seller shall submit documentation according to Purchase Order prior to shipment to MDA for review; MDA QA will review the data and authorize the shipment. |
| QBI-005 | Verification by MDA Engineering is required | All test data delivered under this procurement shall be verified and approved by the Buyer's EEE or Mechanical parts Engineer upon receipt, prior to final acceptance. |
| QBI-006 | Delegated source inspection | Buyer authorizes trained, qualified and independent supplier's delegate (who hasn't been involved in any stage of this procurement) to perform final inspection on the Buyer's behalf according to purchase order requirement. Supplier shall submit inspection documentation to the Buyer for approval. The Buyer reserves the right to reject the items upon receiving inspection. |
| QCAL-001 | Calibration of MDA owned test equipment | The Supplier shall provide a test report/calibration certificate for each item calibrated. Each test report/calibration certificate shall contain as a minimum: 1. Description or identification of the item. 2. List of standards used for traceability. 3. Date of calibration. 4. Procedure used for calibration. 5. Test results/values. 6. Test report/calibration certificate number as applicable. When an instrument has been adjusted or repaired, the calibration results before and after adjustment or repair shall be reported. If the reading cannot be taken without repair, the certificate shall state that information and the item shall be tagged. |
| QCAL-002 | Buying new Test equipment | The Supplier shall provide a test report/calibration certificate for each item calibrated. Each test report/calibration certificate shall contain as a minimum: 1. Description or identification of the item. 2. List of standards used for traceability. 3. Date of calibration. 4. Procedure used for calibration. 5. Test results/values. 6. Test report/calibration certificate number as applicable. |

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| QD-001 | Certificate of Compliance | Seller shall provide a "Certificate of Compliance" with each shipment of items under this purchase order, signed by a legally authorized representative of the Seller's organization, stating the following: Buyer's Purchase Order or Subcontract Order number and PO/SO item number; Part Number; Part Revision; Quantity and statement saying that parts supplied on this procurement meet applicable drawings, specifications and purchase/subcontract order requirements |
| QD-002 | Certificate of Compliance showing source of origin | Seller shall provide a "Certificate of Compliance" with each shipment of items under this purchase order, signed by a legally authorized representative of the Seller's organization, stating the following: Buyer's Purchase Order or Subcontract Order number and PO/SO item number; Part Number; Part Revision; Quantity and statement saying that parts supplied on this procurement meet applicable drawings, specifications and purchase/subcontract order requirements. Seller must ensure that all items on this procurement are traceable to source of origin by lot/batch number or date code. Source of origin traceability must be reflected on release documentation. |
| QD-003 | Certified Inspection Data | Seller shall provide "Certified Inspection Data" that includes Certificate of Compliance, dimensional inspection results prepared according to ballooned drawing to document all drawing dimensions, drawing notes, materials and processing, and/or test results, process certifications, material certifications etc. for verification by Buyer QA. Dimensional inspection to be performed according to OI clause as stated in purchase /subcontract order. |
| QD-004 | End Item Data Package | Seller shall provide "End Item Data Package" that includes minimum: Certificate of Compliance; Log Book; Operating Time Record; List of Open Work; Connector Mate/Demate Record; List of Serialized Components; As-Built Configuration List; Drawings; List of Non-conformances/Failure Analysis Reports; List of Non-Flight or Temporary Installed Hardware; List of Test Procedures/Results. |
| QDS-001 | Drop shipment | Seller shall forward the items to destination as instructed by Purchase Order upon Buyer's approval of documentation for performed services. |
| QEE-001 | ESD sensitive EEE parts | The Seller shall take the necessary precautions during manufacturing, handling and packaging the deliverable product to prevent damage in accordance with MIL-STD-1686, ANSI/ESD S20.20 and Handbook MIL-HDBK-263A. The device leads shall be electrically shorted together by non-corrosive conductive foam or other suitable methods. The deliverable devices shall be encased in electrically conductive/static dissipative packages, tubes, carriers or conductive bags for shipment. The packaging must be labeled to indicate that it contains electrostatic sensitive parts. |
| QEE-002 | EEE parts that are subject to screening | Seller shall provide a "Certificate of Compliance" with each shipment of parts under this procurement, signed by a legally authorized representative of the Seller's organization, which specifically states that each microcircuit has passed testing per MIL-PRF-38535, for Class B/Q or S/V. Complete screening test data for each microcircuit is acceptable in lieu of the Certification of Compliance. |
| QEE-003 | Data code requirements | Seller must ensure all pieces for each item are from the same inspection lot and the same data code of manufacture. Partial shipments will not be accepted. Seller must ensure the date of manufacture (lot) code is not older than 36 months at the time of delivery without permission from the Buyer. |
| QF-001 | Standard mechanical fasteners | Seller shall provide with each lot or batch of parts under this procurement authenticated original test reports, showing the degree of compliance with applicable physical, chemical, metallurgical and mechanical requirements. The reports shall accompany the parts, and shall not be shipped separately. Associated certification data shall be traceable to the original manufacturer by lot or batch number. The original manufacturer's name and lot or batch number must be identified on the packaged parts and all documents provided with the parts. |
| QF-002 | Fasteners for space when 3rd party pull test data is required | Seller shall provide with each lot or batch of parts under this procurement authenticated original pull test reports. Associated certification data shall be traceable to the original manufacturer by lot or batch number. The original manufacturer's name and lot or batch number must be identified on the packaged parts and all documents provided with the parts. |

| Clause Number | Title | Clause text |
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| QG-001 | General Requirements | <p>PROHIBITED PRACTICES</p> <p>Unauthorized Repairs and Reworks: Unless specifically approved by MDA Material Review Board (MRB), Seller shall not repair or rework any item to meet MDA specification and drawing requirements, without Buyer's prior written approval.</p> <p>Change in Approval, Drawing, Processes, Materials or Procedures: Seller shall not change any drawing, process, material, or procedure without prior MDA written approval, if such drawing, process, material, or procedure was previously approved as provided for in the procurement document.</p> <p>Notification of Facility Change: Seller shall not use nor relocate any production, manufacturing, processing or test facilities to differ from previous approval by MDA, during performance of work specified in the procurement document, without MDA approval.</p> <p>Change of Management/Owner: Seller shall notify Buyer when a significant change in management, ownership or location has occurred.</p> <p>Change to Third-Party Registration/Accreditation during active Buyer's Purchase Order: Seller shall notify Buyer when any change has occurred to Seller's Third-Party AS9100, ISO9001 and/or Nadcap registration. Seller shall provide Buyer with a copy of Seller's Certificate of Accreditation. Upon expiration and/or change in Seller's accreditation status (including name and/or ownership change), the Seller shall provide Buyer with a current</p> |
| QGI-001 | Canadian Government QA source inspection in Canada | Government Quality Assurance is a requirement of this procurement. Seller shall promptly make arrangements with the Government representative who normally services his facility so that GQA can be accomplished. |
| QGI-002 | Canadian Government QA source inspection in Europe | Government Quality Assurance is a requirement of this procurement. Seller will be notified by the Technical Services Section; Canadian Defense Liaison Staff, at 1 Grosvenor Square, London, England, W1X 0AB, concerning the Government agency with whom Seller shall make arrangements for the accomplishment of Government Quality Assurance. |
| QGI-003 | US Government QA source inspection in U.S.A. | Government inspection is required prior to shipment of item(s) from your facility. Seller shall upon receipt of this procurement, promptly notify the Government Representative who normally services your facility so that appropriate planning for Government inspection can be accomplished. Seller upon receipt of this procurement, shall promptly furnish a copy of the procurement contract to the Government Representative who normally services your facility, or if none, to the nearest Army, Navy, Air Force or Defense Supply Agency Inspection office. In the event the Representative or office cannot be located, Buyer procurement agent should be notified immediately. |
| QGI-004 | US Government procurement in Canada covered by DND | <p>4: US Government procurement in Canada covered by DND</p> <p>All work on this order is subject to inspection and test by the Government. The Government Quality representative who has been delegated NASA quality Assurance function on this procurement shall be notified immediately upon receipt of this order. 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, and supplier shall make documentation available to perform inspection or test.</p> |
| QI-001 | First Article Inspection | Seller shall provide Certified Inspection data, reflecting 100 percent inspection verification of all drawing characteristics for each product type delivered in case of: First production run of a new product; Design change; Materials or sources change; It has been more than 2 years since the part was produced ; Change in process, tools, or location. |
| QI-002 | Inspection of serialized items | Seller shall provide Certified Inspection data, reflecting 100 percent inspection verification of all drawing characteristics for each product type delivered in case of: First production run of a new product; Design change; Materials or sources change; It has been more than 2 years since the part was produced ; Change in process, tools, or location. |
| QI-003 | Inspection of non-serialized items | Seller shall provide Certified Inspection data, reflecting 100 percent inspection verification of all drawing characteristics by recording a range of the measured value. |

| Clause Number | Title | Clause text |
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| QI-004 | Sample inspection | Seller shall provide Certified Inspection data, reflecting inspection verification of all drawing characteristics by recording a value for samples determined by Buyer. Sampling plan shall be determined by MDA. |
| QI-005 | Inspection of critical drawing features | Seller shall provide Certified Inspection data, reflecting 100 percent inspection verification of critical drawing features as determined by Buyer. |
| QL-001 | Lot/batch | Seller shall develop a "Lot by Lot" Inspection Plan for each part number to be fabricated on this procurement and submit Plan to Buyer for approval prior to use. Seller shall use this plan to verify characteristics of the finished part to Buyer drawings and specifications. A completed "Lot by Lot" inspection report must accompany each lot of parts shipped to Buyer. |
| QL-001 | Laser | Seller shall provide with each shipment of material, authenticated laser safety data indicating the class of laser and quantitative test reports, showing the degree of compliance with applicable specifications. |
| QM-001 | Raw material with traceability | Shipment of material shall be accompanied by a Certificate of Conformance from Seller, stating at a minimum: Material identification by specification number and material conditions where applicable; the raw material manufacturer's or mill's heat lot or batch number. All material shall be procured directly from a manufacturer or shall show full traceability from the mill, through any subsequent processing steps, including chemical/physical test results and/or inspection showing full compliance to the material's specification requirements. |
| QM-0011 | Raw material | Shipment of material shall be accompanied by a Certificate of Conformance from Seller, stating at a minimum: Material identification by specification number and material conditions where applicable. |
| QM-002 | Shelf life | The date of the manufacture and date of expiry shall be visibly marked on the item and included in accompanying document. Not more than ten percent (10%) of the shelf life shall have elapsed at the time of receipt by Buyer. Alternatively, the Seller shall provide a shelf life (or warranty period) from the date of shipment. In this case, the shelf life (or warranty period) shall be visibly marked on the item and included in accompany documentation. The Seller shall provide Safety/Hazard Data Sheets with the first shipment of material requiring any special handling. |
| QM-003 | Prohibited Suppliers Due to Industry Alert | Seller shall provide the Buyer with the name of the raw material supplier prior to commencing work. The Buyer must approve all aluminum extrusions and titanium suppliers. |
| QM-004 | Prohibited Material | Seller shall not use "Pure Tin Plating", "Zinc" or "Cadmium" processes on part(s) or assemblies supplied on this procurement. Only parts containing alloys with less than 97% tin are acceptable, and all cadmium alloys or zinc alloys (e.g. brass) must be completely over plated with an approved metal. |
| QM-005 | RoHS compliance | Materials supplied under this procurement shall comply with RoHS, Restriction of Hazardous Substances, also known as Directive 2002/95/EC. |
| QNUCL-001 | Nuclear suppliers requirement | Seller shall provide and maintain a Quality Assurance Program, which is in conformance with CSA N299.1 or CSA N299.2 or CSA N299.3 or CSA N299.4., as required. |
| QO-001 | Internal use, to identify Customer property (CF-E/CF-STE/CF-ST) | Article procured under this control shall be subject to identification with a Program Specific Sticker or an MDA tag and CP sticker by Material Support Operator (Receiving) upon receipt at MDA. Photographs shall be taken of Items as received upon receipt and attached to receiving documentation. |
| QO-002 | Internal use, to identify procured parts / materials as Canadian Government Property | Items received under this Purchase Order are to be identified as "Inventory" and marked as Canadian Government Property and received into project Flight or Non-Flight stores as applicable. in accordance with Federal Acquisition Regulation Clause 52.245-1 subparagraph (v) (A), " Loss, damage, destruction |
| QO-003 | For use on all US Government Property Items, used for equipment sent for calibration/repair | or theft", the Vendor shall investigate and furnish a written narrative of all incidents of loss, damage, destruction or theft to buyer as soon as the facts become known or when requested by the Buyer. Such reports shall, at a minimum, contain the following information: Date of the ; The name, commercial description, manufacturer, model number, and national Stock Number(if applicable); Quantity; Unique Item Identifier (if available) ; Purchase Order number ; Cause and Corrective action taken to prevent recurrence ; Copies of all supporting documentation; Last known location |

| Clause Number | Title | Clause text |
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| QO-004 | For use when U.S. Government Property requirements are in place | <p>The article(s) provided to the Seller under this purchase order are U.S. Government Property (e.g. any material and/or equipment). Seller shall have a system of internal controls to manage (control, use, preserve, protect, repair and maintain) U.S. Government property in its possession. The system shall be adequate to satisfy the requirements of Federal Acquisition Regulations (FAR) Clause 52.245-1, Government Property. In doing so, Seller shall initiate and maintain the processes, systems, procedures, records, and methodologies necessary for effective and efficient control of U.S. Government property.</p> <p>Seller's responsibility extends from the initial acquisition and receipt of property under this PO, through stewardship, custody, and use until formally relieved of responsibility by authorized means, including delivery, consumption, expending, sale (as surplus property), or other disposition, or via a completed investigation, evaluation, and final determination for lost property. This requirement applies to all U.S. Government property under Seller's accountability, stewardship, possession or control, including its sub-tier vendors.</p> <p><u>U.S. Government property shall be stored separately and not co-mingled or combined with property of</u></p> |
| QO-005 | For use when Canadian Government Property requirements are in place: | <p>The article(s) provided to the Seller under this purchase order are Canadian Government Property (e.g. any material and/or equipment). Seller shall have a system of internal controls to manage (control, use, preserve, protect, repair and maintain) Canadian Government Property in its possession. Seller shall initiate and maintain the processes, systems, procedures, records, and methodologies necessary for effective and efficient control of Canadian Government Property.</p> <p>Seller's responsibility extends from the initial acquisition and receipt of property under this PO, through stewardship, custody, and use until formally relieved of responsibility by authorized means, including delivery, consumption, expending, sale (as surplus property), or other disposition, or via a completed investigation, evaluation, and final determination for lost property. This requirement applies to all Canadian Government Property under Seller's</p> |
| QOPN-00 | Planned open work is to be received | It is agreed that the Seller is providing item(s) to Buyer with planned open work. |
| QP-001 | Packaging | Seller shall ensure that packaging of items on the Buyer's procurement is sufficient to prevent any corrosive damage or <u>any physical damage caused by shipping/handling.</u> |
| QP-002 | Flight Packaging | Seller shall ensure that the hardware is double bagged. Desiccant and Humidity indicator shall be placed in the outer bag. The inner bag shall be zip locked. The outer bag shall be sealed. Where applicable, packaging shall follow shipping <u>procedure provided by the Buyer.</u> |
| QP-003 | ESD packaging | The Seller shall take the necessary precautions during handling and packaging the deliverable product to prevent damage. The device leads shall be electrically shorted together by non-corrosive conductive foam or other suitable methods. The deliverable devices shall be encased in electrically conductive/static dissipative packages, tubes, carriers or conductive bags for shipment. Use of pink poly is not acceptable. The packaging must be labeled to indicate that it <u>contains electrostatic sensitive parts.</u> |
| QQ-001 | Confidentiality | Seller agrees to hold confidential any and all information which it receives from Buyer or through its association with Buyer under this PO/quote, and shall not divulge or use such information for its own benefit or for any other person or company unless the prior written permission of Buyer is obtained. Seller acknowledges that any invention or process developed by using MDA's information, will be the property of MDA. This covenant shall survive termination of the PO. Seller also agrees to execute such further documentation as MDA may reasonably require from time to time to <u>evidence the above undertakings.</u> |
| QS-001 | Software | Seller shall provide Certificate of Compliance and supporting documentation sufficient to establish that: All requirements are achieved or waivers submitted; Configuration is correct and deliverables are properly identified and marked; Planned level of acceptance is achieved and/or deviations/waivers are made part of the deliverable documentation package; Operating instructions accompanying the developed software are sufficient to enable loading, <u>initialization, and operation by Buyer's personnel.</u> |

| Clause Number | Title | Clause text |
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| QSN-001 | Serial Numbers | <p>The Items shall be marked with the suppliers Serial Number, unless an MDA serial number has been provided by the Purchase Order. The supplier's serial number shall be unique to the Item Number. A suggested format is: (the first three letter of the supplier name) – (job number) – (sequential unique number). The serial number(s) shall be referenced on Seller's release documentation, i.e.(shipping documents, certificate of compliance, test reports etc.)</p> |
| QT-001 | Test clause | <p>Test data (inspection results, group data, screening data, graphs, films, coupons, tested items , etc.) reflecting the applicable requirements (drawing notes, DPA, PIND, tensile test, radiographic services, test procedures , specifications, etc.) shall be submitted to Buyer.</p> <p>Inspection and/or test data reflecting the requirements of the applicable drawings and specifications shall be recorded and included with the shipment.</p> <p>When applicable, Group test data and/or screening data in accordance with the applicable specifications must be furnished for each shipment of parts against the purchase order.</p> |
| QT-002 | Internal, In house test clause | <p>Mechanical parts supplied under this procurement are subject to testing by Buyer's Product Assurance Engineer.</p> |
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