

Quality and Purchasing Clauses for Purchase Orders (POs)

Prepared by: G.T. (Sr. Quality Lead)
Checked By: T.S. (Mgr. Procurement)
Approved By: M.R. (Dir. QA)

Released by CADM: R.O.

(signature/date)

CADM release indicates that all above approvals have been received and are on file.

© Copyright MDA Systems Ltd. 2026
All Rights Reserved



13800 Commerce Parkway
Richmond, B.C., Canada, V6V 2J3
Telephone (604) 278-3411
Fax (604) 231-2764

RESTRICTION ON USE, PUBLICATION, OR DISCLOSURE OF PROPRIETARY INFORMATION

This document contains information proprietary to MDA Systems Ltd. ("MDA Space"), to its subsidiaries, or to a third party to which MDA Space may have a legal obligation to protect such information from unauthorized disclosure, use or duplication. Any disclosure, use or duplication of this document or of any of the information contained herein for other than the specific purpose for which it was disclosed is expressly prohibited, except as MDA Space may otherwise agree to in writing.

CHANGE RECORD

| ISSUE | DATE | PAGE(S) | DESCRIPTION |
|-------|---------------|-----------------------------------|--|
| 1/0 | Sep. 18, 2024 | All | First Issue |
| 2/0 | Oct. 29, 2024 | QA Clauses | Second Issue Editorial updates including indentations (in red) to improve clarity of QA clauses. |
| 2/1 | Feb. 27, 2025 | PUR Clauses | Second Issue, First Revision Corrected minor typos and formatting issues. |
| 3/0 | Jan. 09, 2026 | Definitions Quality Clauses | Third Issue All added as new content. All content changed: Identifiers in six groupings now, more scenarios accommodated, and better alignment achieved with other MDA Space Business Areas. |
| 3/1 | Jan. 26, 2026 | Appendix A | Third Issue, First Revision Added tab showing mapping of prior quality clause identifiers with new quality clause identifiers. |

| Term | Definition |
|------------------------------------|--|
| ANSI | American National Standards Institute |
| Approved Supplier List (ASL) | Listing of pre-qualified suppliers available for procurement from. |
| ASL | See Approved Suppliers List. |
| Authorized Distribution | The chain of suppliers that includes only the OCM/OEM and their authorized suppliers to the OCM/OEM customers. |
| Authorized Suppliers | Suppliers selected and authorized by OCMs/OEMs to distribute parts on the OCM/OEM's behalf. It may include authorized distributors, authorized manufacturers, and partners (e.g. integrators or resellers). |
| Certificate of Compliance (CoC) | Documented declaration signed by an authorized party of the issuing company attesting to the item of interest as conforming to regulatory requirements. |
| Certificate of Conformance (CoC) | Documented declaration signed by an authorized party of the issuing company attesting to the item of interest as conforming to specifications and/or standards. |
| Chain of Custody | Documented evidence of a part's supply chain transit history. This refers to documentation of all supply chain intermediaries and significant handling transactions, such as from OCM to distributor, or from excess inventory to broker or distributor. Also known as "supply chain traceability". |
| Chemical Properties | A property that can only be determined by changing the chemical make-up of the material. |
| CoC | See Certificate of Conformance/Compliance. |
| Computer System Configuration Item | Any component of an Information Technology environment that is to be tracked for management purposes. Included are hardware, software, documentation, and services. |
| Control Plan | A plan that identifies characteristics used to confirm the result of the manufacturing process to requirements. The control plan includes characteristic or requirement details, tolerances, assessment/measurement methods, etc. |
| CSA | Canadian Standards Association |
| CSCI | See Computer System Configuration Item. |
| Cybersecurity (CY) | Identifier grouping of cybersecurity controls relevant to the supply chain. |
| Delegated Quality Representative | Seller Quality Representative approved by Buyer to represent Buyer's interests within Seller's environment. |
| DIR | Dimensional Inspection Report |
| DQR | See Delegated Quality Representative. |
| EEE Parts | Electrical, Electronic, and Electromechanical components. Electrical - e.g. resistors, capacitors, inductors, transformers, and connectors; electronic - active devices such as, e.g. diodes, transistors, and integrated circuits (ICs); and electromechanical (EM) - devices with electrical inputs and mechanical outputs (or vice versa), e.g. relays, switches, and motors. |
| EIDP | End Item Data Package |

| Term | Definition |
|---|---|
| Electronic Components/Assemblies | Integrated circuits, discrete electronic components (including, but not limited to, transistors, capacitors, resistor, or diodes), or circuit assemblies or assemblies that incorporate circuit assemblies. Further, according to AS5553, components designed and built to perform specific functions using electric power and/or an electric or electromagnetic signal to demonstrate functionality. |
| Electrostatic Discharge (ESD) | The sudden flow of electricity between two charged objects, often damaging sensitive electronics. |
| FAI(R) | See First Article Inspection (Report). |
| First Article Inspection (Report) | Inspection of first unit(s) from the initial production run to confirm specifications and end user requirements are met (and presented in a documented format). |
| Foreign Object Debris/Damage (FOD) program | Collective methods employed to minimize or eliminate the probability of manufactured parts including unintended contamination by particulate and other forms of matter. |
| Government Industry Data Exchange Program (GIDEP) | Cooperative North American effort for sharing of critical technical data between Government and industry to enhance system safety and reliability including the alerting on, for example, defective parts or their approaching obsolescence or shortages. |
| Intermediary | Any product supplier who takes physical custody of a product during shipping from an OCM/OEM to the Buyer. |
| ISO | International Organization for Standardization |
| JEDEC | Joint Electron Device Engineering Council. Organization governing open standards for the microelectronics industry. |
| JESD | See JEDEC and see electrostatic discharge (ESD). |
| Partial (Delta) FAI | A first article inspection of only characteristics that have changed since the most recent FAI. Characteristics may have changed due to design changes, configuration changes, process changes or other changes. |
| Precise Color Matching | Method of color matching described within the SAE- AMS-STD-595 standard. Includes use of individual Color Chips. |
| Major Manufacturing Issues | Issues affecting manufacturing that can impact delivery of product to agree upon schedules. Examples include, but are not limited to, a breakdown of non-redundant machinery or Union strike/walkouts. |
| Mechanical Property | Properties a material exhibits upon application of forces. |
| NIST | National Institute of Standards and Technology |
| Non-Volatile Memory | Non-volatile memory is computer storage that does not lose content when power is lost. |
| Original Component Manufacturer (OCM) | An organization that designs and/or engineers a part and is entitled to any intellectual property rights to that part. |
| Original Equipment Manufacturer (OEM) | A company that manufactures products that it has designed from purchased components and sells those products under the company's brand name. |
| Physical Properties | Properties that are measurable such as density, coefficient of expansion, melting point, etc. |
| QMS | Quality Management System |

| Term | Definition |
|----------------------------|---|
| Quality Assurance (QB) | Identifier grouping of requirements for Seller to establish, maintain and certified processes or procedures in their business activities. 'QA' identifier used prior and cannot re-use; accordingly, now using 'QB'. |
| Quality Clause | Quality Clauses are additional, contractual requirements (terms and conditions) that apply to all Requests for Quotes (RFQ), Purchase Requisitions (PR), Purchase Orders (PO) and Subcontracts. |
| Quality Documentation (QD) | Identifier grouping of requirements for Seller to develop or provide documented information and retained documentation, that may includes a it is not limited to reports, data, records, documents, digital information, etc. |
| Quality Inspection (QI) | Identifier grouping of requirements for mandatory verification inspection processes. |
| Quality Management (QM) | Identifier grouping of requirements for certified/mandatory quality management systems |
| Quality Packaging (QP) | Identifier grouping of approach to the receiving and handling of components and their related packaging for transport and storage. |
| Root Cause (RC) | The fundamental underlying reason(s) the issue of interest occurred that, when sufficiently addressed, will prevent recurrence. |
| S/N | Serial Number. Unique identifier at the level of individual purchased items. |
| Supply Chain Traceability | See Chain of Custody. |
| Verification of Effective | A means for assessing if results are as expected and are consistent. Verification of effectiveness requires documented criteria and a report documenting results that meet the criteria. |
| Volatile Memory | Volatile memory is computer storage that only maintains its data while the device is powered. |
| WIP | Work in-progress |

| Clause ID | Title | Clause |
|-----------|--|--|
| PUR001 | BC Tax Assess and GST | Goods and Services from sources without BC tax #, for internal consumption, self assess PST. |
| PUR002 | Blanket Order | Blanket order execution shall be in accordance with the attached Blanket Order Terms and Conditions which is a supplement to the Purchase Order Terms and Conditions on the reverse side hereof. |
| PUR003 | Customer-Furnished Equipment | This is not a Purchase Order. This is a record of confirmation of receipt of Customer Furnished Equipment. All goods remain the property of the Supplier listed on this document. |
| PUR004 | Confirmation | This is a Purchase Order confirmation only. Do not Duplicate order. |
| PUR005 | Duty D3 (Exempt under NAFTA) | Duty exempt in accordance with the provisions of the North American Free Trade Agreement (NAFTA). Seller must submit two copies each of Commercial Invoices, Canada Customs Invoices, Packing Slips, and Certificates of Origin with shipment. |
| PUR006 | Duty D3 (Exempt under Tariff #99950.00.00) | Duty exempt in accordance with Canadian Customs "Harmonized System" provisions of Tariff Item # 9950.00.00; satellites and satellite subsystems imported for the purpose of being tested, articles and materials employed in the development, design, manufacture, testing, repair, modification or maintenance of satellites, satellite subsystems, space stations, space vehicles, or other equipment to be employed in the upper atmosphere or in space, and ground support, and monitoring equipment for use with the foregoing. |
| PUR007 | Canadian Export Permits | This order is subject to MDA obtaining all necessary Canadian Export Permits. In the event a Canadian Export Permit is denied, Seller agrees to accept the return, at no cost to MDA, of all items on this order. |
| PUR008 | GST G1 (Applicable) | Goods and Services Tax applicable, not included in price. (Show as separate item on invoice.) |
| PUR009 | GST G2 (Applicable with Foreign Supplier) | Goods and Services Tax applicable, not included in price. |
| PUR010 | GST G3 (Not Applicable) | Goods and Services Tax not applicable, excluded from price. |
| PUR011 | HST H2 (Not Applicable) | Harmonized Sales Tax not applicable. |

| Clause ID | Title | Clause |
|-----------|---|--|
| PUR012 | Limitation of Expenditure | This Purchase Order has a limitation of expenditure of the Purchase Order's total value as shown herein and actual expenditures shall be taken only in accordance with the actual requirements of the Purchaser. The Purchaser shall not be obligated to expend any or all of the amounts or use any or all of the services specified herein. |
| PUR013 | Nova Scotia HST (Nova Scotia Harmonized Sale Tax) | Nova Scotia HST (Nova Scotia Harmonized Sale Tax) applicable, not included in price (show as separate item on invoice). |
| PUR014 | New Net60 Payment Terms | NOTICE OF CHANGE OF PAYMENT TERMS ***** Please note that effective immediately our new Corporate Payment terms are now Net 60 days. |
| PUR015 | Ontario HST (Ontario harmonized Tax) | Ontario HST (Ontario harmonized Tax) applicable, not included in price. Show as separate item on invoice. |
| PUR016 | Country Of Origin | The Country of Origin of all the goods shipped against this Purchase Order shall be indicated on all customs release documents. |
| PUR017 | Detailed Packing List | The Seller shall provide a detailed packing list. The packing list shall accurately match all items supplied against each item ordered in accordance with the Purchase Order. The accompanying packing list must contain supplied part numbers, quantity supplied, media type, titles, and matching descriptions including including reference to specifications (if any) and correct publication edition. |
| PUR018 | Personal Services Contract Terms | This Order is subject to the attached Personal Services Contract Terms and Conditions which supersede and replace the Terms and Conditions on the reverse side hereof. |
| PUR019 | PST P1 (Applicable) | Provincial Sales Tax applicable, not included in price. (Show as separate item on invoice). |
| PUR020 | PST P2 (Exempt for Resale Purposes) | British Columbia Provincial Sales Tax not applicable: "We hereby do certify that the tangible personal property described herein will be resold or will become part of tangible personal property for resale purposes: License No.PST-1013-01 21." |
| PUR021 | PST P3 (Not Applicable) | Provincial Sales Tax not applicable, excluded from price. |

| Clause ID | Title | Clause |
|-----------|--|--|
| PUR022 | PST P6 (Exempt, Saskatchewan) | Saskatchewan Provincial Sales Tax not applicable: "We hereby certify that the tangible personal property described herein will be resold or will become part of tangible personal property for resale purposes. Saskatchewan PST Exemption Number 19225882." |
| PUR023 | Registration, Licenses, Permits and Trade Controls | The Seller shall be solely responsible to obtain and maintain any registration or (e.g. Controlled Goods Program) operation licenses and permits, import, export, re-export approvals including but not limited to permits, licenses and technical assistance agreements including any that are required by lower-tier subcontractors or suppliers of the Seller (collectively the "Authorizations") from any government authority as applicable to the goods on this order for the Seller and its lower-tier subcontractors or suppliers to be in compliance with the applicable federal, provincial, state or local laws. Notwithstanding any limitations of liability specified in this Purchase Order, Seller shall be responsible for any and all costs or delays resulting from failure to obtain "Authorizations". |
| PUR024 | Partial Delivery | Partial shipments against this Purchase Order are acceptable. |
| PUR025 | Return of Material | Seller shall return to Purchaser, all Artwork, Drawings and Reference Material upon completion of work. |
| PUR026 | Subcontract Terms | This Order is subject to the attached Subcontract Terms and Conditions which supersede and replace the Terms and Conditions on the reverse side hereof. |
| PUR027 | VAT TAX | This purchase order transaction is subject to applicable in-country VAT taxes. |
| PUR028 | Repair - Warranty | No charges shall apply for the repair and return for the items on this order. |
| PUR029 | Repair - Inspection only | Seller is authorized to proceed with inspection only, repair estimate must be submitted in writing and approved by the Buyer prior to the commencement of repairs. |
| PUR030 | Withholding Tax | Payments will be made to Seller net ____ days from receipt of correct and accurate invoice. This Purchase Order is subject to Withholding Tax under the taxation laws of Canada. Unless the Seller can provide official tax receipts or any other evidence of payment of any income tax submitted to the Canada Revenue Agency (CRA) for this transaction, the Purchaser shall deduct and withhold a rate of ____% from the invoice total. The withheld amount shall be submitted to CRA. |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QM001 | Quality System | The Seller shall maintain and use a quality management system(s) acceptable to the Buyer, i.e. conforming to any of ISO 9001, AS9100, ISO 13485, or TS-16949. The Buyer has the right to access and verify said system(s) through onsite audits and/or Buyer assessments. |
| G-QM002 | Quality System (ISO 9001) | Seller's Quality Management System (QMS) shall conform to the requirements of ISO 9001. Third-party registration by an accredited Registrar will be accepted as proof of conformance. Obtaining and maintaining certification/registration by Seller does not disallow the Buyer to conduct audits, reviews, and inspections at the Seller's facility. Buyer reserves the right to conduct surveillance audits at Seller's facility and assess Seller's conformance to the ISO 9001 QMS requirements. |
| G-QM003 | Quality System (AS9100) | Seller's Quality Management System shall conform to the requirements of AS9100. Third party registration by an accredited Registrar will be accepted as proof of conformance. Obtaining and maintaining certification/registration by Seller does not disallow the Buyer to conduct audits, reviews, and inspections at the Seller's facility. Buyer reserves the right to conduct surveillance audits at Seller's facility and assess Seller's conformance to the AS9100 QMS requirements. |
| G-QM004 | Metrology/Calibration Control System | Seller shall maintain a Metrology/Calibration Control System that is certified and conforms to ISO 10012 or ISO 17025. |
| G-QA001 | Advance Notification of Potential Product Issue | In the event the Seller is, or becomes, aware of a potential product problem or issue that may have an adverse effect on the quality, reliability, or delivery of a product to Buyer, the Seller shall notify the Buyer Procurement Representative on a best-effort basis. This is an advance notification of potential issues. The following are examples of, but not limited to, issues requiring notification: unplanned events, weather-related events, major manufacturing issues, supply chain-related events. |

| Clause ID | Title | Clause |
|-----------|------------------------------|---|
| G-QA002 | Certificates of Conformance | <p>Seller shall provide a Certificate of Conformance (COC) with each lot/heat code delivered certifying that each item of hardware and/or software conforms to all requirements of the Buyer's specification and Purchase Order (PO) and that items have been inspected and tested, immediately prior to shipment.</p> <p>The COCs information shall include at a minimum:</p> <ol style="list-style-type: none"> 1. Seller's name. 2. Buyer Part number and dash number as listed on the PO. 3. Seller Part number if listed on the PO. 4. Manufacturer name and part number if listed on the PO. 5. Buyer Drawing revision level (when applicable) 6. Buyer PO number 7. Statement attesting that goods and services are of the quality specified and conform to the PO requirements, including specifications, drawings, specified raw and purchased materials, preservation, packaging, packing, marking requirements, physical item identification, and applicable Government and Buyer specifications, or equivalent wording. <p>Note 1: For Distributor items, the requirements are verification of OEM and OEM Part Number.</p> <p>Note 2: Substitutions for parts listed on the PO are prohibited.</p> <p>Note 3: It is preferred to have a printed name, date, signature, or stamp, of the Seller's authorized representative on the COC. Pre-printed or electronic signatures are acceptable.</p> |
| G-QA003 | Sub-Tier Supplier Management | <p>Seller shall have processes and procedures in place to manage their supplier base. Seller shall ensure that the Buyer's requirements, applicable to the product procured, are fully and contractually flowed down through all levels of Seller's supply chain for product or services being delivered to the Buyer. Seller should maintain an Approved Supplier List (ASL) and shall have controls in place to ensure work is not performed at unapproved or disapproved sources. Sub-tier suppliers should have an adequate quality management system, as determined by the Seller's assessment.</p> <p>Note 1: It is preferred that sub-tier suppliers are conformant to AS9100 or ISO9001.</p> |

| Clause ID | Title | Clause |
|-----------|--------------------------|---|
| G-QA004 | Seller Corrective Action | <p>Seller shall maintain an efficient and effective corrective action system that prevents shipment of nonconforming products without prior written approval from Buyer. In response to a Buyer-initiated Corrective Action Request (CAR), Seller shall advise and deliver to Buyer, in writing and in a timely manner, the following:</p> <ol style="list-style-type: none"> 1. Described and fulfilled containment plan within five (5) business days of receipt of the corrective action request. 2. Determined Root Cause (RC) (and the method of determination) acceptable to Buyer, within a timeframe agreed by Buyer Quality Representative. 3. Written Corrective Action Report (CAR) including actions to be taken, dates of implementation, and criteria for verifying effectivity. Additionally, similar products provided to Buyer shall be evaluated for these corrective actions. Such corrective action reports shall include results of the evaluation. The CAR shall be submitted for written approval by Buyer Quality Representative within a timeframe agreed by Buyer Quality Representative. 4. CAR Verification of Effectiveness Report. The CAR complete report shall include the criteria for acceptance, the expected results, and the actual results observed. <p>Note 1: Buyer may issue an extension on an exception basis provided sufficient written justification is provided. Extensions may be granted for any corrective action phase provided the extension is requested prior to the due date of that phase.</p> <p>Note 2: Buyer reserves the right to perform source inspection and/or reviews until Buyer is satisfied that the accepted CAR has been effectively implemented.</p> |
| G-QA005 | NonConforming Material | <p>Seller shall utilize a documented system and procedure for evaluation and disposition of nonconforming material to contain, track, analyze, determine root cause, and ensure effective preventative/corrective action implementation. Seller shall maintain a procedure to control the identification, documentation, evaluation, disposition, and segregation requirements of nonconforming products. If Seller determines, or has reason to believe, a nonconformity could exist in previously delivered product, Seller shall notify Buyer Procurement Representative within forty-eight (48) hours of Seller discovery.</p> <p>Only when Purchase items are manufactured, or are modified off-the-shelf, to Buyer's specifications (drawings, engineering requirements), then Seller's non-conformances that affect form, fit, function, reliability, maintainability, and safety shall not be given a disposition of "use as is" or "repair" through Seller action without Buyer written approval. Rework to print will be acceptable. If Seller determines a non-conformance or has reason to believe a non-conformance could potentially exist in previously delivered product, Seller shall notify Buyer Procurement Representative within forty-eight (48) hours of Seller discovery. In addition, Seller shall provide a written notification to Buyer including a description of the suspected nonconformance, potential safety risk or product impact, contract and/or PO number, Part Number, and affected serial numbers or lot numbers. Seller shall notify Buyer of any non-conforming products Seller wishes to ship.</p> |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QA006a | Seller Engineering Change Notification | <p>Seller shall notify Buyer in writing of all proposed or actual Engineering Changes including those generated by Seller's sub-tier suppliers that affect the Buyer-purchased part.</p> <p>Seller shall submit any requisite Change Notification via email to the Buyer Procurement Representative with a minimum of ninety (90) calendar days prior to the implementation of the change on the product sold to Buyer. Any requisite change to open POs cost and/or schedule requires a Change Order from Buyer.</p> <p>Changes that require written Change Notification include:</p> <ul style="list-style-type: none"> • Form - The end item's geometrically measured configuration, density, and weight or other parameters that uniquely characterize the item, component, or assembly. Form as applied to software changes denotes the language, language level and media. • Fit - The ability of the delivered end item to physically interface or interconnect with or become an integral part of another item. • Function - The action or actions that an end item is designed to perform. • Firmware - The combination of a hardware device and computer instruction or computer data that resides as read-only software on the hardware device. The software cannot be readily modified under program control. • Functional Characteristics - Quantitative performance parameters and constraints including operational and logistic parameters and their respective tolerances. Functional characteristics include all performance parameters, such as range, speed, lethality, reliability, maintainability, and safety. • Material - A generic term associated with systems, equipment, finishes, stores, supplies and spares, including related documentation, manuals, computer hardware and software. • Functional Configuration Identifications - The initial approved technical documentation for a critical item defining: <ul style="list-style-type: none"> o All necessary functional characteristics, o Verification demonstrating achievement of specified functional characteristics, o Necessary interface characteristics and associated critical items, o Critical item functional characteristics and lower-level critical items, if any, and o Design constraints such as envelope dimensions, component standardization, use of inventory items and integrated |

| Clause ID | Title | Clause |
|-----------|---|---|
| G-QA006b | Seller Engineering Change Notification | <ul style="list-style-type: none"> • Interoperability - Any change to the component, assembly, or system which may prevent or impede the end item's ability to accept services to and from other systems or may impede or prevent the end item from operating with the other systems effectively and efficiently. • Changes in Sub-tier Suppliers - Any change/addition/deletion of a subordinate supply chain seller providing content to the purchased end item component or assembly delivered to Buyer. • Changes in test/inspection methods - Any change in techniques used as a basis for product, component, or system acceptance. • Changes in Bulk Materials - Any new source for raw materials with special characteristics from new or existing Suppliers. • Any change in product appearance attributes where there is no appearance specification. • Any changed parameters in the same process (e.g., outside Part Failure Modes and Effects Criticality Analysis (PFMECA) parameters of the approved product including packaging. Any change outside of the Design Failure Modes and Effects Criticality Analysis (DFMECA) (e.g., product composition, ingredient levels, etc) of the approved product. • Any of the above noted changes originated by Seller's suppliers and sub-tier suppliers. <p>Seller shall include the following with any Change Notification:</p> <ol style="list-style-type: none"> 1. Documentation updates that affect cost, warranty, or contract milestones. 2. Affected part number(s) including Lot #(s), date code(s), or S/N(s) open POs, 3. Technical description of change, and technical impact. 4. Reason/rationale for change. 5. Financial impacts to Buyer (if any). 6. Details of potential impacts to both Seller/ Buyer WIP, stores, and/or Buyer fielded products. 7. The revised specification/drawing. |
| G-QA007 | Foreign Object Debris/Damage (FOD) Prevention | <p>Foreign Object Debris/Damage (FOD) prevention program shall be maintained by Seller. This FOD prevention program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. The FOD prevention program shall include periodic self-assessment of internal FOD prevention practices, and where appropriate, an assessment of Seller's sub-tier supplier(s) to measure effectiveness of program compliance requirements. The FOD prevention program will provide initial and periodic FOD internal trainings.</p> |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QA008 | Electrostatic Sensitive Devices (ESD) | <p>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.</p> <p>For Electrostatic Sensitive Devices delivered under the PO, Seller shall ensure that these devices are packaged and identified to provide adequate electrostatic protection in accordance with the Original Equipment/Component Manufacturers (OEM/OCM) Electrostatic Sensitive Devices material storage and handling protocols.</p> <p>If parts are under MDA design control, the Seller shall take the necessary precautions during manufacturing, handling and packaging of the deliverable product to prevent damage in accordance with ANSI/ESD S20.20 and JESD EIA-625 (or equivalent standards). 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.</p> |
| G-QA009 | Notification of Changes in Facility/ Ownership/ Quality Manager/ Quality Sytem | <p>Seller shall notify Buyer of a planned Facility Change with reasonable time. 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>Seller shall notify Buyer of a Change of Management/Owner. Seller shall notify Buyer when a significant change in management, ownership or location has occurred.</p> <p>Seller shall notify Buyer of a 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 any change to the quality management system registration. Upon expiration and/or change in Seller's accreditation status (including name and/or ownership change), the Seller shall provide Buyer with a current certificate.</p> |
| G-QA010 | Buyer Review | <p>Buyer Representative and Buyer's Customer have the right to conduct surveys, audits and surveillance of Seller facilities and Seller sub-tier suppliers with prior coordination with Seller, to determine capability to comply, and to verify continuing compliance, with the requirements of the procurement order.</p> |
| G-QA011 | GIDEP Alerts | <p>Seller shall subscribe to the Government Industry Data Exchange Program (GIDEP). Seller shall immediately document and provide formal written notification(s) related to any observed discrepancies impacting products directly manufactured by, or procured from, the OEM and distributed to Buyer. Notifications shall be emailed to Buyer Procurement Representative. If the notice is intended to provide hardware obsolescence or end-of-life notification, Seller is requested to provide this notification as soon as possible prior to actual hardware end-of-life.</p> |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QA012 | Working with Latest Specifications and Training Specifications | <p>The data package associated with the order may include drawings that reference Buyer specifications required to complete the order. It is incumbent upon the Seller to ensure they, or any sub-tier suppliers used, are working to the latest specifications (desing drawings or specifications). Seller and Seller's sub-tier suppliers shall comply with the revision of the specifications that is in effect at the time the Purchase Order is placed, or at the time a change order is issued if the change order specifically addresses one or more of the specifications associated with this quality clause. If Seller does not have the latest version of any applicable specification, contact the Buyer's Procurement Representative.</p> <p>These specifications may also reference a training requirements specification. If the data package references this training requirement, Seller shall establish and implement a training program to ensure their staff has the necessary skills and understanding to realize the requirements of the drawing. Seller may use their own method of training but shall retain all training records. Should Buyer request objective evidence of training, Seller shall provide proof of training within three (3) business days of Buyer's request. If Seller is not able to provide such training, they shall notify the Buyer immediately in writing.</p> |
| G-QA013 | Handling for Service and Rework | Seller must ensure that all In-Process handling procedures are sufficient to ensure protection of the item(s) from handling damage during manufacturing, (re-)assembly and test. |
| G-QD001 | First Article Inspection (FAI)/ Report (FAIR) | <p>FAIRs shall be submitted in accordance with the latest version of the Aerospace Standard 9102 (the Standard). FAIRs shall be submitted on the first production lot, on the first order with this quality clause invoked on the PO. The FAIR shall be documented on Forms 1, 2 and 3 as specified in the Standard; Seller forms are acceptable as long as they meet the intent of AS9102 (current version). After the FAIR has been accepted by the Buyer on the first production run with this quality clause invoked, full and partial (delta) FAIs and FAIRs shall be conducted and submitted for reasons as specified in the Standard. FAIRs shall consist of recorded actual drawing attributes, specification values (including tolerances), and/or requirements (dimensional, test data, processes, drawing notes, etc.). FAIs shall be provided against the drawing for the <u>specific part number on the PO.</u></p> |
| G-QD002 | Traceability | <p>Unless otherwise specified on the PO, Seller shall provide a means of traceability down to the purchased items/materials used to fulfill the PO. Seller may use the original manufacture Lot/Date/Heat Code or the Seller's method for identifying the end item product as required for proper traceability for non-serialized items. Seller shall package each Lot/Date Coded batch separately. Duplication of Lot/Date/Heat Code is prohibited.</p> <p>Tape and reel products may contain a maximum of two (2) Lot/Date Codes per reel without authorization. Both Lots/Date Codes shall be listed on the corresponding shipper and on the immediate packaging.</p> <p>If the end item traceability includes serial numbers, or if the only method of traceability is serialization and neither QD-0003 nor QD-0004 is identified as a requirement on the PO, Seller shall ensure all serial numbers for each part in this shipment are <u>identified on the shipper.</u></p> |

| Clause ID | Title | Clause |
|-----------|--------------------------------|--|
| G-QD003 | Traceability: Serialization | The Items shall be marked with all Suppliers' Serial Number, unless a Buyer serial number has been provided by the Purchase Order. The Seller's serial number shall be unique to the Item Number. The serial number(s) shall be referenced on the Seller's release documentation, i.e.(shipping documents, certificate of compliance, test reports etc.). Duplication of serial numbers is prohibited. Serial numbers shall be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s). |

| Clause ID | Title | Clause |
|-----------|--|--|
| G-QD004 | Traceability: Serialization for Systems and Kits | <p>Seller shall identify each System or Kit (which include two or more boxes of serialized hardware) with one unique serial number. Serialization of Alpha characters shall be capitalized A-Z. Seller shall include a shipper that includes the top-level part number & serial number, first level assembly part number(s) & serial number(s), and, if applicable, second level, major assembly part number(s) & serial number(s). The outside of the primary container in the group shall be identified with its part number & serial number, and the System part number & serial number. Duplication of serial numbers for a given part number is prohibited.</p> <p>Seller shall ensure all serial numbers for each part in this shipment are identified on the shipping documentation (shipper, packing slip, etc.).</p> |
| G-QD005 | Certificate of Materials - Retention | <p>Buyer requirements documentation may specify materials/subcomponents. Seller shall collect and retain, certification records for specified materials and subcomponents used in the manufacturing of the purchased product. If any subcomponents or processes used in the manufacturing of this product are procured from Seller's sub-tier suppliers, a certification from the sub-tier suppliers is to be collected and retained with the Seller's top-level certification. Certificates shall include:</p> <ol style="list-style-type: none"> 1. For raw materials, material chemical and physical characteristics as noted on the Buyer drawing(s) and/or Bills of Materials (BOMs) with actual values recorded. 2. Process Specifications as noted on the Buyer drawing(s) and/or BOM(s). 3. Verification results of the specified material(s)/subcomponent(s) meeting requirements (including both product number and source). <p>If Buyer requests the certification package, Seller shall provide the certification package within two (2) business days of the request.</p> <p>Seller shall retain such information for an indefinite time period.</p> |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QD006 | Certificate of Materials Submission | <p>Buyer requirements documentation may specify materials/subcomponents. Seller shall collect and retain, AND submit certification records to Buyer for specified raw materials and subcomponents used in the manufacturing of the purchased product. If any subcomponents used in the manufacturing of this product are outsourced to Seller sub-tier suppliers, a certification from the sub-tier suppliers is to be collected, retained, and submitted with the Seller's top-level certification. Certificates shall include:</p> <ol style="list-style-type: none"> 1. For raw materials, material chemical and physical characteristics as noted on the Buyer drawing(s) and/or Bill of Materials (BOMs) with actual values recorded. 2. Process Specifications as noted on the Buyer drawing(s) and/or BOM(s) 3. Verification results of the specified material(s)/subcomponent(s) meeting requirements (including both product number and source) <p>If the drawing does not define a specific raw material specification, contact Buyer for direction. If Buyer requests the certification package after delivery, Seller shall provide the certification package within two (2) business days of the request.</p> |
| G-QD007 | Process Control Requirements: Level I; High | <p>Seller shall provide a detailed process description(s) and process control plan(s) for all processes utilized to manufacture this part/assembly. The process description(s) will include operation definition, equipment used, workflow, applicable specifications/procedures/work instructions, process set-up sheets/raw material recipes, manufacturing location, and sub-tier supplier identification and relevant scope. The process control plan(s) are to include part/process inspection criteria, verification methods, sampling plans, and reaction plans. Where applicable, Seller shall also define tooling used, special handling, and packaging requirements. Seller shall submit the process description(s) and control plan(s) to Buyer Quality Representative for written approval. At the time of submission, processes are considered frozen. Changes to the approved process(es)/plan(s) require Buyer Quality Representative's written approval prior to implementation. Key Deliverables/Requirements include:</p> <ol style="list-style-type: none"> 1. Detailed process description. 2. Process Control Plan. 3. Review and written approval by Buyer Quality Representative prior to implementation of process/plan changes |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QD008 | Process Control Requirements: Level II; Medium | <p>Seller shall notify Buyer of any change to the established process(es) used to manufacture this part/assembly. Changes may include operation definition, equipment used, workflow, applicable specifications/procedures/work instructions, process set-up sheets, raw material recipes, manufacturing location, sub-tier supplier identification and relevant scope, control plans, and inspection plans. Where applicable, Seller shall notify Buyer of changes to Seller-defined tooling used, special handling, and packaging requirements. Changes to the approved plan will require Buyer Quality Representative's written approval prior to implementation.</p> <p>Key Deliverables/ Requirements include:</p> <ol style="list-style-type: none"> 1. Notification of changes to established manufacturing process(es)/plan(s). 2. Review and written approval by Buyer Quality Representative prior to implementation of process/plan changes. |
| G-QD009 | Process Control Requirements: Level III; Low | <p>Seller shall notify Buyer in writing and prior to making any change to the established processes to manufacture this part/assembly. Changes may include operation definition, equipment used, workflow, applicable specifications/procedures/work instructions, manufacturing location, sub-tier supplier identification and relevant scope, and inspection plans. Where applicable, Seller shall also define tooling used, time/temp criteria, special handling, and packaging requirements. Changes to the approved plan will require written notification to Buyer prior to implementation.</p> <p>Key Deliverables/Requirements include:</p> <ol style="list-style-type: none"> 1. Notification of changes to established manufacturing process(es)/plan(s) 2. Written Notification delivered to Buyer thirty (30) calendar days prior to implementation |

| Clause ID | Title | Clause |
|-----------|-------------------------------------|--|
| G-QD010 | Calibration of Provided Equipment | <p>Seller shall be responsible for the calibration and applicable maintenance of any equipment, tooling, or gauges provided from the Buyer to the Seller under this procurement agreement. Seller's equipment calibration system shall be compliant with one of the standards as follows: ANSI/NCSL Z540, ISO 17025, ISO 10012, or MIL-STD-45662A.</p> <p>When Seller is the OEM and they are calibrating their own products, the Seller may determine the appropriate calibration method/standard.</p> <p>A Calibration Certificate shall be supplied by Seller under this procurement that includes 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 Quality Representative shall be notified immediately. If repair is required such that readings cannot be taken before calibration, then the certificate shall state this circumstance and the Test Equipment shall be identifiable, e.g. with a colour tag. The Calibration Certificate must be signed by the facility's authorized inspector stating that the standards used to obtain readings are traceable to a recognized international standard.</p> <p>Each test report/calibration certificate shall contain, as a minimum:</p> <ol style="list-style-type: none"> 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. <p>The Seller shall retain all documents supplied to the Buyer for a period of 10 years.</p> |
| G-QD011 | Special Processes Sub-Tier Approval | <p>This PO requires at least one or more special process(es) that is/are identified on the drawing or applicable specification. Seller shall obtain Buyer Quality Representative's written approval of sub-tier supplier(s) performing special processes on this part. These processes include the following: anodizing (all types and colors), passivation, non-destructive testing, heat treating, plating, brazing, soldering, welding, adhesive bonding, etching, powder coating, painting, etc.</p> <p>Note 1: This clause applies when a known, or potentially problematic, process is required to complete the product being purchased. It helps to align processes and expectations.</p> <p>Note 2: Buyer requires approval of sub-tier supplier(s) performing certain special processes in order to prevent nonconformances.</p> |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QD012 | Special Processes Certifications - Submission | <p>Material and process certifications are requested when material specifications are key to the product. This quality clause is notification to Seller that a Certification of Material is required to be submitted to Buyer with the parts. The Certification of Materials package will be submitted to Buyer with each shipment and a copy will also be retained by Seller and made available to Buyer upon request. This applies to parts, components of sub-assemblies, and assemblies as defined on the Buyer drawings, BOMs, and applicable specifications used in the completion of the PO.</p> <p>This PO contains a part that has at least one or more special process(es) that is/are identified on the drawing or applicable specification. Special processes include but are not limited to: anodizing (all types and colors), passivation, non-destructive testing, heat treating, plating, brazing, soldering, welding, adhesive bonding, etching, powder coating, painting, etc. Seller and Seller's sub-tier suppliers shall submit a Certification of Material listing the following related to the special process(es):</p> <ol style="list-style-type: none"> 1. Seller and/or its sub-tier supplier name details. 2. PO number under which the parts were processed. 3. Part Number and Revision. 4. Special process performed. 5. Specification or Standard for each special process(es) performed. |
| G-QD013 | Special Processes: Certification - Retention | <p>This PO contains a part that has at least one or more special process(es) that is/are identified on the drawing or applicable specification. Special processes include but are not limited to: anodizing (all types and colors), passivation, non-destructive testing, heat treating, plating, brazing, soldering, welding, adhesive bonding, etching, powder coating, painting, etc. Seller and Seller's sub-tier suppliers shall retain a Certification of Material listing the following related to the special process(es):</p> <ol style="list-style-type: none"> 1. Seller and/or its sub-tier supplier name details. 2. PO number under which the parts were processed. 3. Part Number and revision. 4. Special process performed. 5. Specification or standard for each special process(es) performed. <p>Certification of Material shall be made available to Buyer within three (3) business days of Buyer's request.</p> |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QD014 | Test Data: Collection and Submission | Seller shall submit results of product testing in a form of documented data. This data shall include actual data attained and required specification values/requirements (i.e. expected results) and overall pass/fail results. Seller shall provide to Buyer Quality Representative for their acceptance Certified Inspection Data that include dimensional inspection results, and/or test results, process certifications, material certifications etc. for verification to drawings and specifications. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| G-QD015 | Test Data: Retention | Seller shall provide the test data for their product to Buyer promptly upon Buyer's request. The Seller shall retain all documents supplied to the Buyer for a period of 10 years. |
| G-QD016 | Data Storage and Sanitization | Seller shall provide a Certificate of Volatility (COV) that will delineate all volatile memory, nonvolatile memory, and media storage capabilities with its product. |
| G-QD017 | Unique Identification (UID) and Grading Report | Seller shall produce and verify two-dimensional (2D) Data Matrix UID markings in accordance with the latest revision of MIL-STD-130. 2D Data Matrix UID shall be in accordance with MIL-STD-130, Sec. 5.2.3.2 Two-dimensional Symbol. Seller shall submit with each shipment Quality (symbol verification) reports in accordance with MIL-STD-130, Sec. 5.2.7.2 Data Matrix Symbol Quality MRI marking quality. The first and last UID markings of the lot shall be part of the samples that are verified. Human Readable Information (except direct part markings) shall be legible and accurate. 2D Data Matrix UID markings shall be affixed to be easily accessible for scanning and visual verification unless otherwise noted on the applicable drawing(s). |
| G-QD018 | Unique Identification (UID) and Verification Performed by Buyer | This clause is assigned when the marking is required but when Seller is unable to comply with the requirement. It is used as a notice that UID marking is required and, because Seller is unable to comply with the requirements, Buyer will apply the UID marking. Seller acknowledges and agrees that UID marking in accordance with latest revision of MIL-STD-130 will be created and applied to Seller parts by Buyer personnel upon receipt by Buyer. This will include the issuance and marking of Serial Numbers if the parts are not serialized by Seller. Buyer's application of the UID and serial numbers shall not impact the warranty. Seller shall provide necessary guidance for application. |
| G-QD019 | Rework Report | In the event the item is returned with a reported defect and the Seller determines the item is reworkable, Seller shall test, evaluate and rework as required. Seller shall provide a complete detailed rework report including test results, evaluation findings and description of all work performed. Items may be returned as functional failures. In the event that the item is found to be fully functional, and the failure/discrepancy could not be duplicated, Seller shall state the Can Not Duplicate condition on the test and evaluation report. In the event that the item is replaced with a new item rather than being reworked and Seller will not be submitting a rework report, Seller shall provide a statement on the COC or pack slip indicating that the item was replaced. |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QD020 | Specialized Tooling | Specialized Buyer tooling is required to fulfill this PO. Contact Buyer Procurement Representative. |
| G-QD021 | Shelf Life, Storage and Special Handling | 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 an accompanying document. Not more than ten percent (10%) of the shelf life shall have elapsed at the time of receipt by the 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 accompanying documentation. The Seller shall provide Safety/Hazard Data Sheets with the first shipment of material requiring any special handling. |
| G-QD022 | Service Bulletins, Field Bulletin, Airworthiness Directives | <p>Seller shall provide written notification of any Original Equipment Manufacturer (OEM) or recommended modifications to hardware or maintenance procedures that have a significant potential of impacting airworthiness, reliability/ maintainability or safety. Notifications shall be provided by email to the Buyer Procurement Representative. Any publication of an applicable Airworthiness Directive (AD), Service Bulletin (SB), Field Bulletin (FB) or other equivalent documentation shall be included with the notification. Seller shall note actions required to comply with their notification. The Seller must process all Alerts and Problem Advisories received from the Government Industry Data Exchange Program (GIDEP) and part manufacturers so as to:</p> <ul style="list-style-type: none"> a) assess and document applicability, b) analyze and document the impact of applicable alerts and problem advisories, c) implement and document corrective actions for applicable alerts and problem advisories, and d) share with the Buyer applicability, analysis, and corrective actions taken. <p>If the notice is intended to provide hardware obsolescence or end-of-life notification, Seller is requested to provide this notification as soon as possible prior to hardware end-of-life.</p> |
| G-QD023 | Seller/Distributor Specified | This PO includes parts, components, and/or materials, provided by Seller, that are not manufactured by the Seller. Required manufacturers are listed on the PO, design drawing, design specification, and/or other requirements documents provided to Seller. Seller shall confirm the purchase of these parts, components, and/or material from the specified/required manufacturers by listing them on the COC and packing slip. Substitutions for manufacturers or part numbers not specified on the PO are prohibited. |

| Clause ID | Title | Clause |
|-----------|---|---|
| G-QD024 | Counterfeit Goods and Detection and Avoidance | <p>Seller shall procure product directly from the OCM/OEM or an OCM-/OEM-authorized supplier (defined as authorized distribution). In the event the supplier cannot obtain the product identified on the PO through authorized distribution, Seller shall contact Buyer and shall obtain written authorization from Buyer to deviate from authorized distribution.</p> <p>Seller shall obtain unbroken chain of custody (supply chain traceability) for the item being provided and shall retain this documentation for seven (7) years after the contract ends. Seller shall provide unbroken chain of custody documentation to Buyer upon request and within three (3) business days of the request. Unbroken chain of custody documents must start with the OCM/OEM and include all intermediaries in the chain up to and including delivery to Buyer. Acceptable documents include one or all of the following for each intermediary:</p> <ol style="list-style-type: none"> 1. Certificate of conformance. 2. Packing list. 3. Invoice with pricing information redacted. <p>All documents provided from each intermediary shall include:</p> <ol style="list-style-type: none"> 1. Manufacturer Part Number 2. Serial numbers or Lot number/Date codes if product is not serialized 3. Dates of each shipment to the next intermediary 4. Name and address of intermediary shipping the item <p>Note 1: Seller shall also include Buyer Part Number if provided.</p> <p>Seller's Certificate of Conformance to include a statement of compliance to this clause.</p> |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QD025 | Counterfeit Goods : Unbroken Chain of Custody Documentation Submission | <p>This clause is applicable if the PO includes Electronic Components/Assemblies. Seller shall procure product directly from the OCM/OEM or an OCM/OEM authorized supplier (defined as authorized distribution). In the event the supplier cannot obtain the product identified on the PO through authorized distribution, Seller shall contact Buyer and shall obtain written authorization from Buyer to deviate from authorized distribution.</p> <p>Seller shall obtain unbroken chain of custody (supply chain traceability) for the item being provided and shall retain this documentation for seven (7) years after the contract ends. Seller shall provide unbroken chain of custody documentation to Buyer upon request and within three (3) business days of the request. Unbroken chain of custody documents must start with the OCM/OEM and include all intermediaries in the chain up to and including delivery to Buyer. Acceptable documents include one or all of the following for each intermediary:</p> <ol style="list-style-type: none"> 1. Certificate of conformance 2. Packing list 3. Invoice with pricing information redacted <p>All documents provided from each intermediary shall include:</p> <ol style="list-style-type: none"> 1. Manufacturer Part Number 2. Serial numbers or Lot number/Date codes if product is not serialized 3. Dates of each shipment to the next intermediary 4. Name and address of intermediary shipping the item <p>Note 1: Seller shall also include Buyer Part Number if provided.</p> <p>Seller's Certificate of Conformance to include a statement of compliance to this clause.</p> <p>Unbroken Chain of Custody (Supply Chain Traceability) Documentation - Seller shall submit to the Buyer Seller's COC and documentation supporting an unbroken chain of custody for each intermediary with each the shipment.</p> |

| Clause ID | Title | Clause |
|-----------|-----------------------------------|--|
| G-QD026 | Calibration of Equipment Services | <p>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 or ISO 17025. A Calibration Certificate shall be supplied by Seller under this procurement that includes 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. 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 identifiable, e.g. with a colour tag. The Calibration Certificate must be signed by the Seller's authorized inspector stating that the standards used to obtain readings are traceable to a recognized international standard. The Supplier shall provide a test report/calibration certificate for each item calibrated. Each test report/calibration certificate shall contain, as a minimum:</p> <ol style="list-style-type: none"> 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. <p>The Seller shall retain all documents supplied to the Buyer for a period of ten (10) years.</p> <p>Note 1: Buyer Quality Representative shall verify calibration certification and update the Calibration and Measuring tool database after verification. Use this clause with G-QI005.</p> |

| Clause ID | Title | Clause |
|-----------|--|--|
| G-QD027 | Procurement of Measuring/Calibrated Equipment | <p>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 or 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 a recognized international standard. Each test report/calibration certificate shall contain as a minimum:</p> <ol style="list-style-type: none"> 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. <p>The Seller shall retain all documents supplied to the Buyer for a period of ten (10) years.</p> <p>Note 1: Buyer Quality Representative shall verify calibration certification and update the Calibration and Measuring tool database after verification. Use this clause with GQI-005.</p> |
| G-QD028 | Software Certificate of Conformance/Compliance | <p>Seller shall provide a Certificate of Conformance/Compliance with each shipment of software under this procurement, signed by an authorized representative of the Seller's organization and including the following:</p> <ol style="list-style-type: none"> 1. CSCI identifier. 2. Brief description of CSCI. 3. Buyer's purchase order or subcontract number. 4. Software provided on this procurement meets applicable specification requirements. <p>The Seller shall retain all documents supplied to the Buyer for a period of ten (10) years.</p> |

| Clause ID | Title | Clause |
|-----------|--|--|
| G-QD029 | Flight System End Item Data Package (EIDP) | <p>Seller shall provide an “End Item Data Package” for flight systems that includes, at a minimum:</p> <ol style="list-style-type: none"> 1. Certificate of Compliance. 2. Log Book (Maintenance, Changes and Waivers). 3. Operating Time Record. 4. Maintenance Report/Records. 5. List of Open Work (including Unresolved Deficiencies). 6. Connector Mate/Demate Record. 7. List of Serialized Components. 8. As-Built Configuration List. 9. Drawings. 10. List of Non-conformances/Failure Analysis Reports. 11. List of Non-Flight or Temporarily Installed Hardware. 12. List of Test Procedures/Results and Records of Acceptance. <p>Note 1: If a particular category is not applicable (i.e. lacks entries), do not exclude the topic but, rather, state as such.</p> <p>Note 2: This EIDP shall be provided to the Buyer Quality Representative for review.</p> |
| G-QD030 | Date code requirements | Seller must ensure all pieces for each item are from the same inspection lot and the same date 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. |
| G-QD031 | Date code not older than 36 months | 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. |
| G-QD032 | Date code not older than 60 months | Seller must ensure the date of manufacture (lot) code is not older than 60 months at the time of delivery without permission from the Buyer. |
| G-QD033 | Inspection Serialized Product Items (Design Control) | <p>Seller shall provide Certified Inspection data (with Quality stamp or authorized signature), reflecting 100 percent inspection verification of all drawing characteristics for each product type delivered in the cases of:</p> <ol style="list-style-type: none"> 1. First production run of a new product. 2. Design change. 3. Materials or sources change. 4. It has been more than 2 years since the part was produced. 5. Change in process, tools, or location, facility (building), machinery, testing process. <p>Note 1: Buyer Quality Representative shall review documentation. Use this clause with G-QI005.</p> |

| Clause ID | Title | Clause |
|-----------|--|---|
| G-QD034 | Inspection Non-Serialized Product Items (Design Control) | Seller shall provide Certified Inspection data (with Quality stamp or signature), reflecting 100 percent inspection verification of all drawing characteristics by recording a range of the measured value. Note 1: Buyer Quality Representative shall review documentation. Use this clause with G-QI005. |
| G-QD035 | Sample inspection | Seller shall provide Certified Inspection data (with Quality stamp or authorized signature), reflecting inspection verification of all drawing characteristics by recording a value for samples determined by Buyer. Sampling plan shall be determined by Buyer. Note 1: Buyer Quality Representative shall review documentation. Use this clause with G-QI005. |
| G-QD036 | Inspection of critical drawing features | Seller shall provide Certified Inspection data (with Quality stamp or authorized signature), reflecting 100 percent inspection verification of critical drawing features as determined by Buyer. |
| G-QD037 | Inspection and Test Procedures | Seller shall submit inspection and test procedures as specified in procurement documentation. |
| G-QD038 | Inspection 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 Quality Representative 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. |
| G-QD039 | RoHS Compliance | Materials supplied under this procurement shall comply with RoHS, Restriction of Hazardous Substances, also known as Directive 2002/95/EC. Seller shall provide corresponding Certificate of Compliance. |
| G-QD040 | REACH Compliance | Materials supplied under this procurement shall comply with REACH (registration, evaluation, authorisation and restriction of chemicals) also known as Directive EC 1907/2006. Seller shall provide corresponding Certificate of Compliance indicating version of legislated requirements. |
| G-QI001 | Government Inspection | The Government, as the end-user, has the right to inspect any or all of the work covered by this Purchase Order, at the Seller's facilities or at sub-tier supplier's facilities. Seller shall promptly make arrangements with the Government Quality Assurance Representative (QAR) who normally services their facility so that the required inspection can be accomplished. In the event the QAR or office cannot be located, Buyer Procurement Representative should be notified immediately. Such inspections shall not be used by the Seller or sub-supplier as effective quality control. The Seller's quality control or inspection system and manufacturing processes are subject to review, verification and analysis by authorized Government representatives. |

| Clause ID | Title | Clause |
|-----------|----------------------------|---|
| G-QI002 | Customer Source Inspection | Customer inspection is required prior to shipment from Seller's plant and/or Seller's suppliers. At Buyer's discretion, inspections may include representatives from Buyer customers, Buyer, and/or the regulatory authority. Access shall be granted to all applicable areas of the facilities, at any level of the supply chain, involved in the PO and to all applicable records. Seller shall notify the Buyer twenty (20) business days prior to the time set for inspection and/or test of articles or materials. Buyer shall notify its customer. |
| G-QI003 | Source Inspection | <p>Buyer shall have the right to conduct Source Inspection for this PO either on-site at Seller's facility, and/or at Seller sub-tier supplier's facility, or virtually. If Buyer elects to perform virtual Source Inspections, Seller shall promptly provide certifications, photos, test reports, etc. as reasonably requested by Buyer. Inspection/test and/or in-process inspection/test of the articles specified in this PO will be performed by Seller. Source inspections may be accomplished by 1) Buyer Quality Representative, 2) Seller Delegated Quality Representative (DQR; as approved by Buyer) or 3) third-party quality services inspector assigned by the Buyer. Buyer Quality Representative, or DQR, may elect to witness such inspections during their performance or to review inspection documents/records prepared by Seller and made available at the agreed-upon time and at the agreed upon location of the Source Inspection.</p> <p>Buyer Quality Representative acceptance is required to release the shipment of item under this Purchase/Subcontract Order. Buyer Quality Representative 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 five (5) business days in advance of the time that part(s) will be ready for source verification or acceptance.</p> <p>Note 1: Buyer Source Inspection shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> 1. Witnessing Seller's performance of acceptance/qualification testing and inspections to Buyer's specification/drawing requirements. 2. Review of Seller acceptance test/inspection data and reports to verify conformance with Buyer's specification/drawing requirements. 3. Verification of item traceability and Seller's certification to ensure conformance with Buyer's procurement document or specification/drawing requirements. 4. Verification of Seller's packaging and packing of items being procured to ensure conformance with Buyer's procurement document or specification/drawing requirements. |

| Clause ID | Title | Clause |
|-----------|---|--|
| G-QI004 | Seller Pre-Secondary In-process Inspections | <p>The Seller shall submit a Dimensional Inspection Report (DIR) with each shipment of each production lot. Dimensions to be included in the DIR are those that require measurement prior to a secondary operation and cannot be validated at final inspection. A DIR may also include the results of all other drawing notes and features. Dimensions are to be recorded while work is in-process based on the manufacturing lot size as per the Seller's sampling plan. An entire lot is considered discrepant if nonconformities are discovered on any sample. The entire sample size shall be included on the DIR. The DIR needs to be created only once for each production lot. However, the DIR shall be included with each delivery from that production lot. Samples are to be pulled at random or using Seller's Inspection Sampling Plans. Purchase Order flowdown notes may further detail dimensional inspection requirements. Unless otherwise directed by MDA, the DIR for these specific dimensions shall consist of:</p> <ul style="list-style-type: none"> • Part information including (at a minimum) <ul style="list-style-type: none"> * Part number * Description * Batch / lot traceability * Purchase order number * Production lot quantity * Sampled quantity • Drawing requirements including notes, dimensional features, and sheet/zone locations • The actual results for each measurement recorded as individual measurements or a range • References to any agreements with Buyers Quality Representative. • Evidence of acceptance (stamp and or signature including title) • Date of lot acceptance <p>Suppliers may use their own inspection format to provide this information.</p> |
| G-QI005 | Receiving Inspection | All items supplied by Seller under this procurement will be inspected by the Buyer Quality Representative upon receipt, before final acceptance. |
| G-QI006 | Manufacturing Inspection Point (MIP) Witnessing | Buyer Quality Representative shall verify/witness inspection or operation points in the supplier's manufacturing process as determined by Purchase/Subcontract Order. Inspections may be accomplished by 1) Buyer Quality Representative, 2) Seller's approved Delegated Quality Representative (DQR; as approved by Buyer) or 3) third-party quality services inspector assigned by the Buyer. The Buyer's identified Inspector 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 five (5) business days in advance of the time that part(s) will be ready for MIP verification. |

| Clause ID | Title | Clause |
|-----------|--|--|
| G-QI007 | Presubmission of Product Documentation Prior to Shipping | Seller shall submit product documentation according to Purchase Order prior to shipment to Buyer for review. Buyer Quality Representative will review the data and authorize the shipment when warranted. |
| G-QI008 | MDA Technical Lead Test Data Verification | All test data delivered under this procurement shall be verified and approved by the Buyer's Technical Lead (Engineer) upon receipt, prior to final acceptance of the identified EEE and/or mechanical parts. |
| G-QP001 | Packaging, Handling and Shipping: Commercial | Seller shall clean, preserve, and use special packaging as required on the PO. If 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 labeled. At a minimum, the label shall include the following information: Part number and part revision/status. Packaging requirements contained on the Engineering drawing take precedence. |
| G-QP002 | Barcoded Packaging Specification | Seller shall provide barcoded product identification and associated documentation for all physical deliverables. The total number of labels is based on the number of PO line items, number of serialized parts, and the number of packages for the specific PO line item. The labels shall be interpretable/readable by a barcode scanner and placed in a manner to prevent folds, creases, or damage. |
| G-QP003 | Packaging: General | The Seller shall take the necessary precautions during handling and packaging the deliverable product to prevent damage. Seller shall ensure that packaging of items on the Buyer's procurement order is sufficient to prevent any corrosive damage or any physical damage caused by shipping/handling. Seller shall implement and document packaging methods if not specified by Buyer's drawings or packaging specifications or procedures. |
| G-QP004 | Packaging: Humidity Control. | 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 a shipping procedure provided by the Buyer. |
| G-QP005 | Packaging: ESD Control. | 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 contains electrostatic sensitive parts. |
| G-QP006 | Canadian Government Property Parts or Materials | Items received under this Purchase Order are to be identified as inventory and marked as Canadian Government Property and received into the assigned Buyer project stores or location as applicable. |

| Clause ID | Title | Clause |
|-----------|--|--|
| G-QP007 | Canada Government Property Management and Control System | 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. 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. |
| G-CY001 | Tamper Proof Seals | Seller shall provide tamper resistant seals according to NIST 800-161 guidance for products identified as critical components. |
| G-CY002 | Cybersecurity System | <ul style="list-style-type: none"> ▪ The Seller shall acknowledge and confirm that they maintain and use a Cybersecurity assurance system aligned with industry standard practices (e.g., NIST 800-171). ▪ The Cybersecurity assurance system shall include a plan for managing supply chain risks associated with the research and development, design, manufacturing, acquisition, delivery, integration, operations and maintenance, and disposal of systems, system components or system services, which is regularly reviewed and updated and protected from unauthorized disclosure or modification. ▪ The Cybersecurity assurance system shall include a process or processes to identify and address weaknesses or deficiencies in the supply chain elements and processes. |
| G-CY003 | Cybersecurity Control Documentation | Seller shall provide Cybersecurity Control history-related documentation for all equipment provided. |
| G-CY004 | Advance Notification of Cybersecurity Issues | In the event of cybersecurity defects, incidents, etc. determined as affecting the product and/or services provided, Seller must inform Buyer within 72 hours of becoming aware. Notification must be made to the Buyer Quality Representative and cyber@mda.space. |

NOTE: REFERENCE ONLY TO VERIFY AGAINST PREVIOUS PURCHASE ORDERS RECORDS

| Rev. 2/0 | | Rev. 3/1 | |
|-----------|---|-----------|--|
| Clause ID | Title | Clause ID | Title |
| G-QA001 | Seller Inspection | G-QD033 | Inspection Serialized Product Items (Design Control) |
| | | G-QD034 | Inspection Non-Serialized Product Items (Design Control) |
| | | G-QD035 | Sample inspection |
| | | G-QD036 | Inspection of critical drawing features |
| | | G-QD037 | Inspection and Test Procedures |
| G-QA002 | Test Results | G-QD038 | Inspection Lot/batch |
| | | G-QD014 | Test Data: Collection and Submission |
| | | G-QI003 | Source Inspection |
| | | G-QD015 | Test Data: Retention |
| | | G-QA010 | Buyer Review |
| G-QA003 | Buyer Source Inspection | G-QM001 | Quality System |
| | | G-QA002 | Certificates of Conformance |
| | | G-QD005 | Certificate of Materials - Retention |
| | | G-QD006 | Certificate of Materials - Submission |
| | | G-QD028 | Software Certificate of Conformance/Compliance |
| G-QA004 | Inspection Records | G-QD029 | Flight System End Item Data Package (EIDP) |
| | | G-QA008 | Return of Material |
| | | G-QA009 | Certificate of Compliance |
| | | G-QD039 | RoHS Compliance |
| | | G-QD040 | REACH Compliance |
| G-QA005 | Audit | G-QD028 | Software Certificate of Conformance/Compliance |
| | | G-QD021 | Shelf Life, Storage and Special Handling |
| | | G-QI005 | Receiving Inspection |
| | | G-QA006a | Seller Engineering Change Notification |
| | | G-QA006b | Seller Engineering Change Notification |
| G-QA006 | Quality System | G-QD002 | Traceability |
| | | G-QD003 | Traceability: Serialization |
| | | G-QD004 | Traceability: Serialization for Systems and Kits |
| | | G-QA015 | ESD Controls (General) |
| | | G-QA008 | Electrostatic Sensitive Devices (ESD) |
| G-QA007 | Certificate of Conformity | G-QI001 | Government Inspection |
| | | G-QA001 | Advance Notification of Potential Product Issue |
| | | G-QA003 | Sub-Tier Supplier Management |
| | | G-QA004 | Seller Corrective Action |
| | | G-QA005 | NonConforming Material |
| G-QA008 | Return of Material | G-QD001 | First Article Inspection (FAI)/ Report (FAIR) |
| | | G-QD003 | Traceability: Serialization |
| | | G-QD005 | Certificate of Materials - Retention |
| | | G-QA007 | Foreign Object Debris/Damage (FOD) Prevention |
| | | G-QD027 | Procurement of Measuring/Calibrated Equipment |
| G-QA009 | Certificate of Compliance | G-QD019 | Rework Report |
| | | G-QD022 | Service Bulletins, Field Bulletin, Airworthiness Directives |
| | | G-QD025 | Counterfeit Goods : Unbroken Chain of Custody Documentation Submission |
| G-QA010 | Shelf Life, Storage and Special Handling | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA011 | Buyer Verification and Acceptance | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA012 | Changes to Product Design, material or processing and fabrication | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA013 | Traceability | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA014 | ESD Controls during packaging and shipping | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA015 | ESD Controls (General) | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA016 | Government Source Inspection | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA017 | Advance Notification of Issues | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA018 | Sub-Tier Supplier Management | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA019 | Corrective Action | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA020 | Nonconforming Material | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA021 | First Article Inspection (FAI) | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA022 | Traceability: Serialization | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA023 | Certificate of Materials & Retention | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA024 | Foreign Object Debris/Damage (FOD) Prevention | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA025 | Calibration | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA026 | Rework | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA027 | Service Bulletin, Field Bulletin, Airworthiness Directives | | |
| | | | |
| | | | |
| | | | |
| | | | |
| G-QA028 | Counterfeit Goods Detection and Avoidance | | |
| | | | |
| | | | |
| | | | |
| | | | |