

## PURCHASE ORDER SUPPLEMENTAL REQUIREMENTS

### HQ1 RAYTHEON ELCAN SOURCE INSPECTION 06DEC2022

Raytheon ELCAN Optical Technologies inspection is required prior to shipment from your plant. Notify the cognizant Raytheon ELCAN Purchasing Representative and Quality Department, five (5) days in advance of final inspection so that arrangements for source can be coordinated with your plant. Raytheon ELCAN Source Inspection shall not constitute product acceptance, nor shall it relieve the Supplier of any liability for full compliance with all requirements of the Purchase Order.

### HQ2 GOVERNMENT SOURCE INSPECTION 06DEC2022

Government Quality Assurance is a requirement of this Order. Arrangements must be made promptly with the Quality Assurance Representative for your area or facility so that appropriate Government Quality Assurance can be accomplished prior to release authorization. In the event the representative cannot be located, the cognizant Raytheon ELCAN Purchasing Representative should be notified immediately. Evidence of GSI must accompany shipment. Government Source Inspection shall not constitute product acceptance, nor shall it relieve the Supplier of any liability for full compliance with all requirements of the Purchase Order.

### HQ3 PREPRODUCTION SAMPLES 06DEC2022

For Raytheon ELCAN purchased tooling which will be used to produce custom parts the Supplier shall furnish pre-production samples. These samples shall be manufactured using that tooling and applicable processes in advance of serial production. Engineering and process baselines shall be frozen after qualification of those samples. This base line shall be documented through first articles submitted to Raytheon ELCAN (see HQ 13) and manufacturing process documentation maintained by the Supplier. Once approved no changes to tooling or process, beyond maintenance, shall be made without the approval of the Raytheon ELCAN Procurement Agent.

### HQ4 SPECIAL PROCESS PROCEDURES 08DEC15

The Supplier must have a written process procedure for all processes used to fulfill this Purchase Order. This shall be available upon request during and after completion of the Purchase Order for a period of twelve (12) months. The procedure shall not relieve the Supplier of any liability for full compliance with all requirements of the Purchase Order.

### HQ5 MATERIAL SPECIMENS 08DEC15

The Supplier shall furnish test sample(s) of each lot sufficient for conducting tests in accordance with Chemical and Physical Test Requirements per the specifications. Each test sample will be clearly identified with the material type and batch number. Furnishing test samples does not relieve the Supplier of the responsibility to conduct tests per the Material Specifications.

### HQ6 ACCEPTANCE TEST PROCEDURE 06DEC2022

Prior to commencement of delivery, the Supplier shall configure and make available for review by Raytheon ELCAN, an acceptance test procedure. This document shall have as a minimum, the requirements of the characteristics to be verified, the procedures to perform the verifications, with clear accept/reject criteria, any specialized equipment needed, the sample lot size and an acceptance data sheet.

### HQ7 CERTIFICATE OF CONFORMANCE 21DEC21

The supplier shall furnish, with each shipment, a Certificate of Conformance. A sample can be provided upon request (FRM0014). The Certificate of Conformance shall include statement(s) that the seller/supplier is providing the product(s)/service(s) conforming to all requirements of the purchase order. The certification shall be signed (electronic signature is acceptable) by the supplier's responsible quality representative as evidence that the deliverable product conforms to stated requirements. The Certificate of Conformance shall be attached to a duplicate copy of the packing slip or invoice and placed inside a clearly marked box, stating that it contains documentation. The Supplier's supporting documentation and data which provides evidence of product conformance in support of this certificate shall be maintained by the supplier for a minimum of 10 years after completion of the purchase order, or other period as directed by the purchase order.

Glass suppliers shall send a melt data sheet and heat treat suppliers may submit a Heat Treat Certificate in lieu of a Certificate of Conformance. COTS (commercial off-the-shelf) distributor/suppliers shall provide OEM Certificates of Compliance and/or Certificates of Analysis when specifically requested on the purchase order. This HQ clause is not applicable for procurements between/within Raytheon business units.

Completion of the certificate shall not modify or limit representations, warranties or commitment made in any way affect the obligation of supplier to perform strictly in accordance with the provisions of this Purchase Order. This

purchase order will not be complete, and payment may be delayed, until all documents are received.

### HQ8 INSPECTION REPORT 08DEC15

The Supplier shall submit with each shipment a copy of their Final Inspection Report for the lot, including part number, characteristics/parameters, quantity accepted/rejected and the signature or stamp of the Supplier's Inspection Representative. The Inspection Report shall be attached to a duplicate copy of the packing slip or invoice and place inside a clearly marked box, stating that it contains documentation. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ9 STATISTICAL PROCESS CONTROL 06DEC2022

The Supplier shall validate the quality of the product using Statistical Process Control (SPC) techniques. A plan for the implementation of SPC shall be submitted by the Supplier for review and approval by Raytheon ELCAN, prior to the initiation of production. The plan shall detail the process capability studies to be performed, the SPC method to be applied, the characteristics to which SPC will be applied, the sample size and frequency of measurements, the criteria to be used for modifying the sample size and frequency, the criteria to be used for determining an out of control condition and action to be taken for an out of control condition.

### HQ11 ISO 9001-2015 28NOV17

The Supplier's Quality Management System shall comply with the latest revision of ISO 9001 or equivalent / similar quality system for example AS-9100, ISO 13485, etc. and is subject to inspection and approval at all times by RAYTHEON ELCAN. Registration by a third party registrar is preferred.

### HQ12 MELT LOTS TRACEABILITY 08DEC15

Traceability of melt numbers is required on all items manufactured for this Purchase Order. Component parts and certifications must be identified with the melt lot number. Actual test data for optical properties is required on each melt lot included in the shipment. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ13 FIRST ARTICLE INSPECTION (FAI) 06DEC22

Applicable to custom items (non-catalogue items) only. The seller shall perform a First Article Inspection (FAI) of production representative items. The FAI shall conform to the most current requirements of SAE AS9102. One piece shall be measured/tested to verify compliance. On multi cavity tools one piece per cavity will be inspected. The seller shall supply ballooned drawings correlating the AS9102 Form 3 "Field 5 characteristic number". FAI packages may be required prior to the buyer authorizing production delivery. Raytheon ELCAN may request source inspection at the time of FAI. In all other cases FAI documentation shall be submitted with the first delivery of product. FAI shall be repeated if the seller is out of production longer than 24 months. FAI shall be repeated if the seller has made changes to process or product (see HQ 41) that may invalidate the original FAI. For Copies of AS9102 forms contact Raytheon ELCAN buyer.

### HQ15 PACKAGING AND SHIPPING 08DEC15

Cleaning, preservation and packaging shall be in accordance with the drawing and applicable specifications. When packaging requirements are not otherwise specified, the Supplier shall use best commercial practices with respect to cost, prevention of damage in transit and safety levels. The packing slip or invoice shall be attached on the outside of the shipping container. The Certificate of Compliance and other requested documentation shall be attached to a duplicate copy of the packing slip and placed inside a clearly marked box, stating that it contains documentation.

### HQ16 ENVIRONMENTAL CHARTS 08DEC15

The Supplier shall furnish environmental chart(s) with the shipment of goods referencing as a minimum, the part number, lot number and the equipment number. Performance of the Purchase Order will not be complete, and payment may be delayed, until all charts are received.

### HQ17 CERTIFIED PERSONNEL, SOLDERING, WELDING 06DEC2022

All operators and/or special equipment utilized by the Supplier during processing must be certified for the specific process requirement and copies signed by the certifying activity must accompany each shipment to Raytheon ELCAN.

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### HQ18 ACTUAL TEST AND/OR DIMENSIONAL DATA 06DEC2022

Actual functional and/or dimensional test reports referencing, as a minimum, part number, test method, actual result, serial number(s), or lot number as required, and an authorized signature and title. These reports shall accompany each shipment. In the event the Supplier does not have sufficient equipment capability to functionally test the articles contracted for, they must be tested in a laboratory approved by Raytheon ELCAN. Performance of the Purchase Order will not be complete and payment may be delayed, until all reports are received.

### HQ19 MILL TEST REPORT 06DEC2022

The Supplier shall submit with shipment of goods, a mill test report verifying specification conformance. This report shall include as a minimum, a chemical analysis, a physical analysis, and a listing of any and all Federal or Military Specifications the material conforms to. This report shall be identifiable to each lot, or batch in addition to Raytheon ELCAN Purchase Order Number. This report shall be reviewed, signed, and dated by the Supplier's Representative. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ20 CHEMICAL ANALYSIS 06DEC2022

The Supplier shall submit with shipment of goods, a Chemical Analysis Test Report verifying specification conformance. The Test Report shall be identifiable to each lot, batch or heat treat lot in addition to Raytheon ELCAN Purchase Order Number. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ21 PHYSICAL ANALYSIS 06DEC2022

The Supplier shall submit with shipment of goods, a Physical Analysis Test Report verifying specification conformance. The Test Report shall be identifiable to each lot, batch or heat treat lot in addition to Raytheon ELCAN Purchase Order Number. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ22 AGE CONTROL 07JUN2023

Certifications accompany each shipment including part number, date of manufacture, quantity, shelf life and an authorized signature. Material must have >60% of the shelf life remaining upon arrival unless prior approval is given by Raytheon ELCAN Buyer. "Time and temperature sensitive material" must be identified on the shipping container including shelf life and temperature storage range in degrees.

### HQ23 RADIOACTIVE MATERIAL ANALYSIS, MIL-G-174 12DEC15

Optical components manufactured for this Purchase Order shall, as required by MIL-G-174, be tested by x-ray spectrometer fluorescence techniques, or an approved alternative, for compliance with maximum radioactive material requirements. Results must not exceed 0.05% by weight as defined by the Title 10, Code of Federal Regulations, Paragraph 40. Actual test data must accompany each shipment along with the Certificate of Conformance. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ24 COATING TEST DATA 06DEC2022

Actual spectral data and environmental test data as required by the drawing and specification must be supplied with each coating lot. Coating lot shall be identified and kept separate upon shipment to Raytheon ELCAN. Performance of the Purchase Order will not be complete, and payment may be delayed, until all reports are received.

### HQ25 COATING LOTS TRACEABILITY 08DEC15

Traceability of coating run number is required on all items manufactured for this Purchase Order. Components parts and Certifications must be identified with coating lot number.

### HQ26 DROP SHIPMENT 06DEC2022

Material and/or finished components will be presented directly to the Supplier or Customer as indicated on the Purchase Order. All documentation shall be forwarded to Raytheon ELCAN for the attention of the Supervisor of Receiving Inspection. Receiving Inspection shall review all documentation and upon acceptance shall forward all necessary documentation to the Supplier/Customer to commence work after receipt of this documentation.

### HQ30 QUALIFIED PRODUCT LIST (QPL) 08DEC15

Only products appearing on the appropriate Qualified Products List (QPL) are authorized for procurement and delivery.

### HQ32 ESD 08DEC15

Items on this Purchase Order are considered Electrostatic Discharge (ESD) sensitive, and require special handling, packaging and identification. In the absence of other requirements, MIL-STD-1686, Class I, shall be used.

### HQ33 ITAR COMPLIANCE 14JAN16

See Appendix A

### HQ34 EXPORT REQUIREMENTS 14JAN16

See Appendix A.

### HQ35 SUBCONTRACTOR'S ACCOUNTABILITY 06DEC2022

Raytheon ELCAN Optical Technologies sub contract suppliers are accountable for all inventories issued to support this order. Short shipments, set up losses and scrap must be reported to the buyer immediately.

### HQ36 HAZARD COMMUNICATION 06DEC2022

Raytheon ELCAN Optical Technologies subcontract suppliers who perform work on Raytheon ELCAN property must communicate any potential hazards associated with the work being performed on premises to the Manager, Environmental Health and Safety prior to commencement of work. Likewise, also prior to commencement of work, the subcontractor shall report to the Manager, Environmental Health and Safety for a briefing on any hazards the subcontractor may be exposed to while on Raytheon ELCAN premises.

### HQ37 LEAD-FREE SOLDER CONTENT 06DEC2022

Suppliers of electrical or electronic products, assemblies, components, or material containing lead-free solder, plating, or tinning material shall require written approval and shall notify Raytheon ELCAN within 7 days of receipt of this Purchase Order (PO). Included in the notification, suppliers shall specifically identify, to Raytheon ELCAN, the type of material and the application in which it is used. Raytheon ELCAN reserves the right to modify any or all terms or conditions of the PO deemed to be appropriate following notification.

### HQ38 PREFERENCE FOR DOMESTIC SPECIALTY METALS 13 AUG 18

The supplier shall comply with US Government regulation DFARS 252.225-7009

### HQ 39 COUNTERFEIT MATERIAL AVOIDANCE 06DEC2022

The seller shall maintain a Counterfeit Item risk mitigation process internally and with its suppliers. The seller shall only purchase directly from OEM/OCM or through OEM/OCM franchised distribution chains. Material purchased through independent distribution must be approved in writing by Raytheon ELCAN prior to use. Requests to use independent distribution or brokered parts must be submitted in writing and accompanied by original OEM/OCM data. As a minimum, the data will include an original C of C and date / lot code. The seller shall flow down the requirement to all lower tier suppliers. Counterfeit Items are items that are illegal or unauthorized copies, items that do not contain the proper internal or external materials, salvaged or reclaimed components, items that have not passed all OEM/OCM quality screens and tests. Deviation from these requirements can only be made with written approval of the Raytheon ELCAN buyer.

### HQ40 SOLDERING (IPC J-STD-001) 08DEC15

The most recent revision of IPC J-STD-001 Class 3 (Requirements for Soldering Electrical and Electronic Assemblies) applies to this purchase order unless otherwise defined by drawing or statement of work. Soldering materials, components, processes, inspections and workmanship for material procured under this purchase order shall satisfy the requirements defined by Product Class 3.

### HQ41 NO CHANGES WITHOUT RAYTHEON ELCAN APPROVAL 06DEC2022

Custom Items (non-catalogue items) only. The seller shall notify the responsible Raytheon ELCAN Procurement Agent of any changes and/or proposed changes made during performance of this order or since previous first article or product qualification. These changes include but are not limited to changes in design, materials, parts, fabrication methods and critical processes, plant relocation or changes in subcontractors that may or may not impact form, fit and/or function of the supplied item when integrated into Raytheon ELCAN's products. Prior to fulfilling an Raytheon ELCAN purchase order, Raytheon ELCAN must approve any/all changes with notification provided to the seller by the responsible Procurement Agent.

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### HQ42 IPC WORKMANSHIP STANDARD

08DEC15

The subcontractor shall comply with the applicable requirements of the most recent edition of the IPC listed below:

As the industry standard for the visual acceptance of mechanical and other requirements associated with completed electronic assemblies, IPC-A-610 Class 3 establishes a foundation for common performance expectations.

**Cable and Wire Harness Assemblies:** IPC/WHMA-A-620A is the certification for cable and wire harness assemblies; it pertains to wiring, wiring harnesses, and control panels, creating a common level of expectation for the functional assembly of electrical equipment. This standard addresses wire runs, crimping, and other attributes of the assembly process.

### HQ43 Calibration

06DEC2022

The Supplier shall submit, unless otherwise specified, for each item on P.O. the following information:

- As Found condition statement (In or Out of Tolerance) along with the calibration data. If device is found to be out, As Left data is also required.
- As Found and As Left calibration data when adjustments are required.
- Minimum required Test Accuracy Ratio of 4:1, if this can't be obtained, the actual Test Accuracy Ratio must be documented on the certificate.
- A statement of traceability of the calibration data to the SI units (typically through NIST, or another national metrological institute).
- Unique identification of the calibrated instrument (typically by make/model/serial number, or Raytheon ELCAN Calibration ID#).
- The date the calibration was performed.
- Identification and signature/seal of authorized representative of outside calibration service provider (e.g., calibration technician and/or calibration lab manager).
- Calibration Certificate, signed, dated, and as a minimum referencing the Raytheon purchase order number and the above information.
- A duplicate copy of the calibration certificate should be emailed to the Raytheon ELCAN Buyer

It is incumbent upon the supplier to immediately notify Raytheon ELCAN if any of the above requirements cannot be complied to.

### HQ44 Traceability

07MAR2016

All products shipped on this purchase order shall have one-way traceability. The seller shall be able to trace backward from the final end deliverable item to all items used to produce it. Items include but are not limited to assemblies, sub-assemblies, electronic/electrical parts, raw materials, mechanical machined parts, and special processes.

A lot is defined as units of product that are of a single type, grade, class, size, and composition, manufactured under essentially the same conditions, and at essentially the same time.

A subassembly is defined as two or more parts which form a portion of the supplies replaceable as a whole, but having a part or parts which are individually replaceable.

### HQ45 FOD (Foreign Object Damage)

06DEC2022

The supplier shall establish and maintain an effective Foreign Object Damage (FOD) Prevention Program to reduce FOD using AS9146 as a guideline. The Seller's program shall utilize effective FOD prevention practices. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as, to the FOD generating potential of the manufacturing methods. The written procedures or policies developed by the supplier shall be subject to review and audit by the Buyer and, disapproval when the Supplier's procedures or policies do not accomplish their objectives.

### HQ46 Obsolescence/End of Life

06DEC2022

"Obsolete Part" means a part that is no longer in production by the original manufacturer or an aftermarket manufacturer that has been provided express written authorization from the current design activity or original manufacturer. The Supplier shall take appropriate actions to mitigate Part obsolescence in order to maximize the availability and use of authentic, originally designed, and qualified Parts. The Supplier shall provide a "Last Time Buy Notice" at least twelve (12) months prior to any action to discontinue any item purchased. The "Last Time Buy Notice" should be sent in writing to the appropriate Raytheon ELCAN buyer.

### HQ47 Radioactive Material

14APR21

The material used in the manufacture of this optical part contains no Thorium or other source material defined by title 10, code of federal regulations, part 40 in excess of 0.05% by weight (500ppm) or other added radioactive material.

Radioactive material is defined as material requiring specific licensing under the regulations issue pursuant to the atomic energy act 1954, as amended, or any other radioactive material not requiring specific licensing in which the radioactivity per gram is greater than 0.002 micro curies

## PURCHASE ORDER SUPPLEMENTAL REQUIREMENTS

Appendix A

### HQ 33 ITAR Compliance & HQ34 Export Control

A. Export Compliance. Performance of this purchase order may involve the use of or access to articles, technical data or software that is subject to export controls under the Canadian Defense Production Act (“DPA”) and associated regulations as amended, the Canadian Export and Import Permit Act (“EIPA”) and associated regulations as amended, 22 United States Code 2751 – 2799 (Arms Export Control Act) and 22 Code of Federal Regulations 120-130 (International Traffic in Arms Regulations or “ITAR”) or 50 United States Code 2401-2420 (Export Administration Act of 1979, as amended), and 15 Code of Federal Regulations 768 – 799 (Export Administration Regulations) and their successor and supplemental laws and regulations (collectively hereinafter referred to as the “Export Laws and Regulations”). Seller represents that it is a Registered Person if located in Canada or the US as that term is defined in the Export Laws and Regulations. Seller shall comply with any and all Export Laws and Regulations, and any license(s) issued there under.

1. Seller shall not re-transfer any export- controlled information (e.g., technical data or software) to any other person or entity (including the Seller’s dual and/or third-country national employees) without first complying with all the requirements of the applicable Export Laws and Regulations.

B. Each party shall provide information to assist the other party to obtain necessary import authorizations, export licenses, permits, agreements, or amendments thereto as may be required by law to effect the export or imports of goods, technical data or services related to the work, provided, however, that each party provides in a timely fashion all information, duty executed International Import Certificates and/or end user statements required to support the other party’s application for the export or import of goods, technical data or services.

C. Each party shall immediately notify the other party if the notifying party is listed in any denied parties list or if the notifying party’s export privileges are otherwise denied, suspended or revoked in whole or in part by any government entity or agency.

D. Political Contributions, Fees and Commissions. If this purchase order is valued in an amount of \$500,000 or more, then in performance of this purchase order, Seller shall not directly or indirectly pay, offer or agree to pay any political contributions or any fees or commissions.

For purposes of this section and pursuant to 22 CFR 130.6, political contribution means any loan, gift, donation or other payment of \$1,000 or more made, or offered or agreed to be made, directly or indirectly, whether in cash or in kind, which is:

1. To or for the benefit of, or at the direction of, any non-U.S. candidate, committee, political party, political faction, or government or governmental subdivision, or any individual elected, appointed or otherwise designated as an employee or officer thereof; and
2. For the solicitation or promotion or otherwise to secure the conclusion of a sale of defense articles or defense services to or for the use of the armed forces of a non-U.S. country or international organization. Taxes, customs duties, license fees, and other charges required to be paid by applicable law or regulation are not regarded as political contributions.

For purposes of this section and pursuant to 22 CFR 130.5, fee or commission means any loan, gift, donation or other payment of \$1,000 or more made, or offered or agreed to be made directly or indirectly, whether in cash or in kind, and whether or not pursuant to a written contract, which is:

1. To or at the direction of any person, irrespective of nationality, whether or not employed by or affiliated with the Seller; and
2. For the solicitation or promotion or otherwise to secure the conclusion of a sale of defense articles or defense services to

or for the use of the armed forces of a non-U.S. country or international organization.

Seller shall immediately upon discovery, notify Buyer of any change to the shipment data related to product valuation, quantities shipped, country of origin, port of export and any additional information directed by the Buyer. Seller will timely provide pre-alert shipping information and documentation prior to shipment arrival. Buyer will direct Seller where to send pre-alert shipping information and documentation. Pre-alert shipping documentation includes, but is not limited to, a commercial invoice, airway bill, bill of lading, and other required documentation as directed by U.S. or Canadian regulations.

E. Indemnification. Seller shall indemnify and save harmless Buyer from and against any and all damages, liabilities, penalties, fines, costs, and expenses, including attorney’s fees, arising out of claims, suit, allegations or charges of Seller’s failure to comply with the provisions of this Clause and breach of the warranty set forth in paragraph A or B. Any failure of Seller to comply with the requirements or any breach of the warranty contained in this Clause shall be a material breach of this Order.

F. Subcontracts. The substance of this clause shall be incorporated into any lower-tier subcontract or purchase order entered into by the Seller for the performance of any part of the work under this purchase order.

Notification. Seller agrees to provide prompt notification to Buyer in the event of changes in circumstances that could affect Seller’s performance under this purchase order. Seller further agrees to provide prompt notification to Buyer should any offer, agreement or payment of political contributions, fees or commissions (as defined herein and pursuant to this Order) be made in contravention of the prohibition stated herein.